

# ADEQ

A R K A N S A S  
Department of Environmental Quality

April 14, 2010

Nancy Busen  
Lab/Pretreatment Coordinator  
City of Bentonville  
1901 NE "A" Street  
Bentonville, Arkansas 72712

Re: Bentonville's (NPDES #AR0022403) Pretreatment Program Audit/Municipal Pollution Prevention Assessment

Dear Ms. Busen,

Please find enclosed the finished report for the audit/assessment conducted December 1 - 3, 2009. The report should be made available for review by appropriate City officials. Discussions and an evaluation should be made concerning the recommendations and required action.

The City appears to have personnel knowledgeable and interested in both the Pretreatment and Pollution Prevention Programs and their implementation. Many of the audit/assessment recommendations are meant to aide your Programs to further evolve in achieving the Clean Water Act's objectives to eliminate discharge of pollutants to the environment.

It was a pleasure working with you and your staff during the audit and becoming more familiar with Bentonville, its industries and Pretreatment Program. If there are further questions, please feel free to contact this office.

Sincerely,



Allen R. Gilliam  
ADEQ State Pretreatment Coordinator

Encl: Audit/Assessment Checklist

**PRETREATMENT AUDIT REPORT  
FOR THE CITY OF BENTONVILLE, ARKANSAS  
NPDES PERMIT #AR0022403**

**APRIL 12, 2010**

**PREPARED BY:**

**ALLEN GILLIAM**

**STATE PRETREATMENT COORDINATOR**

**ARKANSAS DEPARTMENT OF ENVIRONMENTAL QUALITY**

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- C) Recommended POTW Actions for Improved Implementation or Enforcement of the Pretreatment and Pollution Prevention Programs
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## ***LIST OF ATTACHMENTS***

Pretreatment Program Audit checklist:

Section I: General Information

Section II: Program Analysis and Profile

Section III: Industrial User File Review

Reportable Noncompliance (RNC) Worksheet

SIU Site Visit Summaries

Attachments A-1 and A-2: Supporting Documentation

## ***A) INTRODUCTION***

Under ADEQ's responsibility to fulfill its obligations for the administration and enforcement of the NPDES Program, audits of Pretreatment Programs within the state will be part of its coordination and compliance monitoring strategy.

With Pollution Prevention (P2) being integrated into Pretreatment Programs, assessments of these Cities' P2 projects and programs will be made.

An audit/assessment was performed December 1 through December 3, 2009, of the Pretreatment Program implemented by the City of Bentonville, Arkansas. Participants included:

Allen Gilliam	ADEQ / Pretreatment Coordinator
Nancy Busen	City of Bentonville / Pretreatment Coordinator
Roman Rios	City of Bentonville / Lab Technician

The goals of the audit/assessment were:

- \* To determine the implementation and compliance status of the City of Bentonville's Pretreatment Program with the requirements of the General Pretreatment Regulations located in 40 Code of Federal Regulations (CFR) Part 403;
- \* To determine the effectiveness of the City of Bentonville's Pretreatment and P2 Programs in controlling industrial discharges and elimination or reducing toxic pollutant discharges;
- \* To provide assistance and recommendations to the City that might allow for more effective implementation of program requirements; and
- \* To assess the level of additional Pollution Prevention activities implemented within the City's day-to-day Pretreatment procedures and make recommendations thereof.

Bentonville's Pretreatment Program was originally approved 11/28/84. Program modifications were submitted, approved and incorporated into their NPDES permit on 10/6/95 and again on 12/6/04. The modifications included program narrative revisions, re-evaluation of maximum headworks loadings (MAHLs), incorporation of an ERP and Pretreatment Ordinance revisions.

The City has submitted modifications to be current with the "Streamlining" revisions to 40 CFR 403 on 10/7/09 and provided a new re-evaluation of their MAHLs during the audit. These submittals are pending review for completeness and validity.

Bentonville's POTW processes include extended aeration basins; anoxic basins; alum addition as necessary; final clarification, post aeration and UV disinfection prior to its discharge to Town Branch Creek.

There has been no pattern of toxicity, lethality or sub-lethality over the last three (3) year period.

Its design flow is 4 MGD but averages about 5.5 MGD with 3 significant industrial users (SIU) with one being a small pharmaceutical categorical. These contribute ~0.28 MGD making up about 5% of the average daily flow. Approximately 103 dry tons/year of Class A sludge is composted and is given away to the public.

The audit/assessment consisted of informal discussions with the City's Pretreatment personnel, examination of industrial user files, pretreatment records and site visits to their three (3) significant industrial users. A checklist was utilized to ensure that all facets of the program were evaluated. A copy of the completed checklist is attached. Additional information obtained during the audit is included as Attachment(s) A.

The report is divided into three sections. Section B provides a summary of the significant findings of the audit which will require action by the City. Section C includes recommendations to help improve the implementation and enforcement of their Pretreatment and Pollution Prevention Programs. Finally, required program modifications to the City's approved program, including its adopted legal authorities, are outlined in Section D.

## **B) SUMMARY OF FINDINGS WITH REQUIRED ACTIONS**

1) Under **40 CFR 403.12(o)** "Any Industrial User...subject to the reporting requirements established in this section...shall be required to retain for a minimum of 3 years any records of monitoring activities and results..."

Revise 3M's permit to include this requirement. It was the only one reviewed that did not include this provision.

## **C) RECOMMENDED POTW ACTIONS FOR IMPROVED IMPLEMENTATION OF THE PRETREATMENT AND POLLUTION PREVENTION PROGRAMS**

1) *Strongly* recommend sending fact sheets to IUs requiring them to fill out and up-date pertinent information. See EPA's "IU Permitting Guidance Manual" ('89), Appendix I for a comprehensive fact sheet. Comprehensive narrative descriptions of their operations and updated schematics showing workpiece and wastewater flow through their processes should be part of that fact sheet to be carried along with each IU's file and updated as necessary.

2) Recommend beefing up IU inspections with more narrative, not just boxes for checkmarks. (Kraft's 10/31/09) inspection was fairly good). Questions asked or areas actually viewed by the City inspector should include a written explanation of what they've observed. It was noted to the City Pretreatment personnel, if all the audit's file review checklist questions (#9.a. through #9.q.) regarding IU inspections were addressed with more than a checkmark, their inspections should be comprehensive enough for an EPA inspector.

Once one comprehensive inspection is completed, a work copy of it can be used on subsequent inspections with the first question asked, "Has there been any changes/additions to your processes, chemicals or raw material?" If the facility representative answers "No", then the physical walk-through of the process/manufacturing area can proceed to verify no changes have been made.

A very comprehensive IU inspection form used by ADEQ was sent to the City representative.

3) Recommend gathering more domestic background analyticals using the most sensitive methods to produce more legally defensible MAHLs or local limits (if necessary).

4) While the City's IU files seemed to have all the required information and documentation, it is recommended to recycle unnecessary copies of old (more than three years old) or draft material. There were numerous copies of unsigned/partial permits (current and/or draft?) in 3M's file.

Obvious documents that should "follow" the IU files indefinitely would be the fact sheets, updated schematics and original BMRs (if not already archived/unfindable).

Continue separation of IU information with tabs denoting fact sheet, permit application, permit, updated schematics, correspondence, enforcement, monitoring data, etc. This aids an auditor during IU file reviews without having to ask the City representative where this or that information can be located.

5) Recommend revising 3M's permit monitoring requirement to more accurately reflect the months in which they are required to sample and report. This can be accomplished on their permit's limits page or in the "Reporting Requirements" section.

6) Recommend continuing to send industry/business sector surveys to all non-domestic dischargers. Modify the surveys to include pollution prevention (P2) and sector specific waste questions. Keep these files in a separate, easily findable folder for ease in locating for reference.

7) Identify those sectors with P2 opportunities and provide outreach to allow them knowledge of source reduction, water/energy and waste minimization best management practices (BMP). This knowledge may help them understand the concept of P2, money saving activities that may also reduce water and possible toxic pollutants they discharge to the City's collection system.

8) Also, keep a separate file on those businesses located outside the City's collection system that might be discharging toxics into a septic system.

9) Include P2 and BMP questions on all SIU permit applications.

**D) REQUIRED PROGRAM MODIFICATIONS TO THE APPROVED  
PRETREATMENT PROGRAM NECESSARY TO BRING THE PROGRAM INTO  
COMPLIANCE WITH THE LETTER OR INTENT OF THE CURRENT  
REGULATORY REQUIREMENTS**

The City has submitted Program modifications to be current with the "Streamlined" version of the new 40 CFR 403 National Pretreatment Regulations as well as a re-evaluation of their maximum allowable headworks loadings. These documents are pending review and approval for completeness and validity.

\* \* \* \* \*

The City should consider the required actions and recommendations contained in this audit/assessment before finalizing any pretreatment program modifications. Any intended substantial program/ordinance changes made, whether in response to the recommendations or otherwise, should be submitted to ADEQ for review and approval.

# PRETREATMENT AUDIT CHECKLIST

## (MUNICIPAL POLLUTION PREVENTION ASSESSMENT)

Section I:	General Information . . . . .	Pages 1- 4
Section II:	Pretreatment Program Analysis . . . . .	Pages 5-17
Section III:	Industrial User File Evaluation . . . . .	Pages 18-26

### SECTION I: GENERAL INFORMATION

A. GENERAL INFORMATION

Control Authority Name: City of Bentonville NPDES #: AR0022403  
 Mailing address: 1901 NE "A" Street, Bentonville AR 72712

Permit Signatory: Belva Plumlee Title: WW Plant Manager  
 Telephone: 479.271.3160 FAX NUMBER: 479.271.3163  
 Pretreatment Contact: Nancy Busen Title: Lab/Pretreatment Coord.  
 Address: same [ Mike Roberts (Asst. Manager) ]  
 Telephone: same  
 E-address nbusen@bentonvillear.com  
 Pretreatment program approval date: 11/28/84

Dates of approval of any substantial modifications: 10/6/95 and 12/6/04

Month Annual Pretreatment Report Due: November

Pretreatment Year Dates: 11/1 - 10/31 Date(s) of Audit: 12/1 thru 12/3/09  
 (ASSESSMENT)

Inspector(s):

<u>NAME</u>	<u>TITLE/AFFILIATION</u>	<u>PHONE NUMBER</u>
<u>Allen Gilliam</u>	<u>Pretreatment Coord/ADEQ</u>	<u>501.682.0625</u>

Control Authority representative(s):

<u>NAME</u>	<u>TITLE</u>	<u>PHONE NUMBER</u>
<u>*Nancy Busen</u>	<u>Pretreatment Coordinator</u>	<u>479.271.3160</u>
<u>Roman Rios</u>	<u>Lab Technician</u>	<u>"</u>

\* Identifies Program Contact

Dates of Previous PCIs/Audits:

<u>TYPE</u>	<u>DATE</u>	<u>DEFICIENCIES NOTED</u>
<u>PCI</u>	<u>5/09</u>	<u>3M is supposed to submit reports semi-annually, months are not specified (?)</u>
<u>PCI</u>	<u>5/08</u>	<u>3M not properly categorized</u>



YES NO

    Is the Control Authority currently operating under any pretreatment related consent decree, Administrative Order, compliance or enforcement action?

If yes, describe the required corrective action:   N/A    
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

    Is the Control Authority currently in SNC or RNC?

.....

The remainder of this page has been left blank, but provides a place to enter a narrative description of any information that may not fit appropriately into the questions that are asked. Mark questions or input areas with an asterisk or footnote that tells that there is more explanatory information and where it can be found.

**SECTION II: PROGRAM ANALYSIS AND PROFILE**

**B. TREATMENT PLANT INFORMATION**

1. THIS PRETREATMENT PROGRAM COVERS THE FOLLOWING NPDES PERMITS/TREATMENT PLANTS:

NPDES Permit No.	Name of Treatment Plant	Effective Date	Expiration Date
*AR0022403	Bentonville Wastewater	3/1/09	2/31/14

\* Indicates the permit number/treatment plant under which the Pretreatment Program is tracked.

2. Individual Treatment Plant Information

a. Name of Treatment Plant: Bentonville Wastewater

Location Address: 1901 NE A Street, 72712

Treatment Plant Wastewater Flow: Design- 4.0 MGD; Actual (Average)- 5.5 MGD

Sewer System: 100 % Separate; # of SSOs due to grease blockages 4

Industrial Contribution to this Treatment Plant

# of SIUs: 3 # of CIUs: 1  
 Industrial Flow (mgd): 0.28 Industrial Flow (%): 5 %

Level of Treatment

Type of Process(es):

Primary  \_\_\_\_\_

Secondary  aeration basins; anoxic basins; alum

Tertiary \_\_\_\_\_ addition as necessary; clarifiers & post aeration

Method of Disinfection: UV

Dechlorination  YES  NO

Effluent Discharge

Receiving Stream Name: Town Branch then to Little Sugar Creek (losing stream)

Receiving Stream Classification: Segment 3J of Ark River Basin

Receiving Stream Use: secondary contact rec; domestic and industrial raw water

If effluent is disposed of to any location other than the receiving stream, please note: n/a

Method of Sludge Disposal:

Quantity of Sludge:

<input type="checkbox"/> Land Application	<input type="checkbox"/> dry tons/yr.
<input type="checkbox"/> Incineration	<input type="checkbox"/> dry tons/yr.
<input type="checkbox"/> Monofill	<input type="checkbox"/> dry tons/yr.
<input type="checkbox"/> Mun. Solid Waste Landfill	<input type="checkbox"/> dry tons/yr.
<input type="checkbox"/> Public Distribution	<input type="checkbox"/> dry tons/yr.
<input type="checkbox"/> Lagoon Storage	<input type="checkbox"/> dry tons/yr.
<input checked="" type="checkbox"/> Other (compost)	<u>84.8</u> dry tons/yr. (excl. Nov & Dec)

List of toxic pollutant limits in NPDES permit: conventionals; T.Phos; WET; NH3-N

**SECTION II: PROGRAM ANALYSIS AND PROFILE**

a. (continuation of individual treatment plant information for Bentonville Wastewater Treatment Plant.)

YES NO Does the Control Authority hold a sludge permit or has the NPDES permit been modified to include sludge use and disposal requirements? If yes, specify the following:

Issuing Authority: ADEQ  
 Issuance Date: same  
 Expiration Date: same

List pollutants that are specified in current sludge permit:  
Reference to CFR 503 parameters and loading rates

YES NO N/A Has the Control Authority submitted results of whole effluent biological toxicity testing?

Has there been a pattern of toxicity demonstrated by effluent toxicity testing? If yes, explain what has been or is being done about it. (eg. Is there an ongoing TRE?) There has been no trend showing lethality nor sub-lethality in either species in the last three (3) years.

How many times were the following monitored during the past pretreatment year?

	<u>Influent</u>	<u>Effluent</u>	<u>Sludge</u>	<u>Ambient</u>
Metals *	<u>4</u>	<u>4</u>	<u>4</u>	<u>      </u>
Priority **	<u>1</u>	<u>1</u>	<u>0</u>	<u>      </u>
Biomonitoring	<u>      </u>	<u>2</u>	<u>      </u>	<u>      </u>
TCLP	<u>      </u>	<u>      </u>	<u>1</u>	<u>      </u>
Other: <u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>

\*As identified at 40 CFR 122, Appendix D, Table III, \*\*As identified at 40 CFR 122, Appendix D, Table II

Summarize any trends over the last five years regarding pollutant (influent, effluent and sludge) loadings. Have they increased, decreased, or stayed the same. Evaluate for each parameter measured.

"Metals have remained the same."

YES NO N/A

Has the POTW begun tracking the trends in the above samples?  
   Has the POTW violated its NPDES Permit either for effluent limits or sludge over the last 12 months?

If yes, List the NPDES effluent and sludge limits violated and the suspected cause(s)

Parameters Violated

Cause(s)

N/A

Has the treatment plant sludge violated the TCLP Test?

**SECTION II: PROGRAM ANALYSIS AND PROFILE**

C. Control Authority Pretreatment Program Modification [403.18]

YES NO

Has public comment been solicited during revisions to the Sewer use ordinance and/or local limits since the last program modification? [403.5(c) (3)]

Have any substantial modifications been made or requested to any pretreatment program components since the last audit? If yes, identify below.

1. Substantial Modifications: N/A

Date Approved by ADEQ	Ordinance Citation/ Nature of Modification	Date Incorporated in NPDES Permit
N/A		

2. Non-Substantial Modifications in Progress:

Date Requested	Nature of Modification
10/7/09	Ordinance & Program revisions to be current with CFR 403

YES NO

Have any changes been made to any pretreatment program components (excluding any listed above)? If yes:

Has the Control Authority notified the Approval Authority of all program changes? (e.g., Modified forms, procedures, legal authorities). If no, please copy and attach the modified form, etc.

D. Legal Authority [403.8(f) (1)]

Date of original Pretreatment Program approval: 11/28/84 [WENDB-PTIM]

Date of most recent Ordinance approved by the Control authority: 3/25/03

Date of most recent Pretreatment Program modification approval: 12/6/04

Does the Control Authority's legal authority enable it to: [403.8(f) (1) (i-vii)]

YES NO

- Deny or condition pollutant discharges
- Require compliance with standards
- Control discharges through permit or similar means
- Require compliance schedules and IU reports
- Carry out inspection and monitoring activities
- Obtain remedies for noncompliance
- Comply with confidentiality requirements
- Establish Pollution Prevention
- Has the city developed and adopted a Pollution Prevention policy?

**SECTION II: PROGRAM ANALYSIS AND PROFILE**

YES NO

Has the Control Authority experienced difficulty in implementing the sewer use ordinance? If yes, identify reason:

- No oversight authority
- No inspection authority
- No remedies for noncompliance
- No "equivalent" standard
- No clear delineation of responsibility for program implementation
- Interjurisdictional agreements not entered into
- Other, Specify: \_\_\_\_\_

Are all industrial users located within the jurisdictional boundaries of the Control Authority? If no: The city of Centerton has no IUs

Has the Control Authority negotiated all legal agreements necessary to ensure that pretreatment standards will be enforced in contributing jurisdictions?

Have provisions been made for the incorporation of Pollution Prevention (P2) policies by contributing jurisdictions?

List the name of contributing jurisdictions, if any, the number of CIUs, SIUs and type of multijurisdictional agreements in those jurisdictions:

<u>Name of Jurisdiction</u>	<u>Number of CIUs</u>	<u>Number of Other SIUs</u>	<u>Type of Agreement</u>
1. <u>City of Centerton</u>	<u>0</u>	<u>0</u>	<u>Contract</u> <u>(dated 7/93)</u>

If relying on activities of contributing jurisdictions, indicate which activities are performed by jurisdictions and describe any problems in their implementation. N/A

Problems

- Updating industrial waste survey N/A
- Notification of IUs \_\_\_\_\_
- Permit issuance \_\_\_\_\_
- Receipt and review of IU reports \_\_\_\_\_
- Inspection and sampling of IUs \_\_\_\_\_
- Assessment of IUs for P<sup>2</sup> activity \_\_\_\_\_
- Analysis of samples \_\_\_\_\_
- Enforcement \_\_\_\_\_
- Other: \_\_\_\_\_

Briefly describe other problems: \_\_\_\_\_

**SECTION II: PROGRAM ANALYSIS AND PROFILE**

Identify any IUs that have caused problems of interference, upset, pass through, sludge contamination, problems in the collection system, or worker health and safety in the past 12 months:

IU Name	Problem	NPDES Permit Violation	
		Yes	No
N/A			

**E. Industrial User Characterization [403.8(f)(2)(i)]**

YES NO Has the Control Authority (CA) updated its Industrial Waste Survey (IWS) to identify new Industrial Users (IUs) or changes in wastewater discharges at existing IUs? [403.8(f)(2)(i)] *\*Various sector surveys were sent out in '07 and '08.*

✓ If yes, while conducting the IWS, was each potential IU evaluated by the CA for the possibility of incorporating P<sup>2</sup> activity?

✓ Does the Control Authority have written procedures to update its Industrial Waste Survey (IWS) to identify new Industrial Users (IUs) or changes in wastewater discharges at existing IUs? [403.8(f)(2)(i)]

✓ If yes, do the written procedures include provisions for the assessment of potential new IUs to incorporate P<sup>2</sup> activity and the distribution of P<sup>2</sup> reference materials to the IUs which qualify?

What methods are used to update the IWS:

- ✓ Review of newspaper/phone book *\*recently used the yellow pages*
- ✓ Review of plumbing/building permits
- ✓ Review of water billing records
- ✓ Permit reapplication requirements
- ✓ Onsite inspections
- \_\_\_ Citizen involvement
- \_\_\_ Other (specify) \_\_\_\_\_

How often is the survey to be updated? ongoing

Are there any problems that the Control Authority has in identifying and categorizing SIUs: none apparent although there was a feeling that communications from the downtown offices could be better

YES NO

✓ Have any new SIUs been identified within the last 12 months? If yes:

Name of IU	Type of Industry	Is the IU Permitted?
N/A		

How many IUs are currently identified by the Control Authority in each of the following groups:

- a. 3 SIUs (As defined by the Control Authority) [WENDB-SIUS]
- b. 1 Categorical Industrial Users (CIUs) [WENDB-CIUS]
- c. 0 Noncategorical SIUs
- d. 3 Other regulated nonsignificant IUs (Describe) septage haulers
- 6 TOTAL of a. + d.

**SECTION II: PROGRAM ANALYSIS AND PROFILE**

YES NO

- Has the POTW identified any IUs with Pollution Prevention opportunities?
- Is the Control Authority's definition of "significant industrial user" the same as EPA's? [403.3(t) (1) (i-ii)]

If not, the Control Authority has defined "significant industrial user" to mean:  
N/A

F. Control Mechanism Evaluation [403.8(f) (1) (iii)]

YES NO

- Has the Control Authority asked for Best Management Practices (BMPs) or Pollution Prevention assessments as part of the permit application?

Describe the Control Authority's approved control mechanism (e.g., permit, etc.): Permit

What is the maximum term of the control mechanism? 3 years

- 0 How many SIUs are not covered by an existing, unexpired permit or other control mechanism? [WENDBs-NOCM] If there are any SIUs without current (unexpired) permits, please complete the information below:

IU NAME	PERMIT EXPIRATION DATE
<u>N/A</u>	

YES NO

- Does the Control Authority accept trucked septage wastes?
- Does the Control Authority accept other trucked wastes?
- Does the Control Authority have a control mechanism for regulating trucked wastes? If yes, answer the following:

- YES NO
- Does Control Mechanism designate a discharge point? [403.5(b) (8)]
- Are all applicable categorical standards and local limits applied to trucked wastes?

*\*See Attch. A-1 for permit and "trip ticket"*

List all pollutants and applicable limits, other than local limits and categorical standards, that are applied to waste haulers:

Pollutant	Limit
<u>general &amp; specific prohibitions</u>	<u></u>

Describe the discharge point(s) (including security procedures):

"performed under the supervision of plant personnel...at a location designated by the wastewater plant's plant manager or authorized rep."

**SECTION II: PROGRAM ANALYSIS AND PROFILE**

YES NO

Does the Control Authority accept Underground Storage Tank (UST) cleanup wastes?

Does the Control Authority have a control mechanism for regulating wastes from UST sites?

List all pollutants and applicable limits, other than local limits and categorical standards, that are applied to UST cleanup sites:

Pollutant	Limit
N/A	

G. Application of Pretreatment Standards and Requirements

YES NO

Has the POTW notified the IUs of their potential requirement to report hazardous wastes to EPA, the State, and the POTW?

2/25/09 Date Notified letter Method of Notification

How does the Control Authority keep abreast of current regulations to ensure proper implementation of standards?

<input type="checkbox"/> Federal Register	<input type="checkbox"/> Journals, Newsletters
<input checked="" type="checkbox"/> Meetings, Training	<input checked="" type="checkbox"/> Other <u>Internet</u>
<input checked="" type="checkbox"/> Government Agencies	<input type="checkbox"/> Other _____

YES NO

Is the Control Authority in the process of making any changes to its local limits or have limits changed since the last PCI, Audit, or Annual Report?

If yes, complete the information below:

Pollutant Changed	Old MAHL	New MAHL	Reason for Change
			To be determined. City just submitted site specific data, but it appears from the increase in population and loss of some IUs from the last evaluation, all parameters will change somewhat



## SECTION II: PROGRAM ANALYSIS AND PROFILE

YES NO

Has the Control Authority technically evaluated the need for local limits for all required pollutants listed below? [WENDB-EVLL] [403.5(c) (1); 403.8(f) (4)] \*from '03 ordinance

	Headworks Analysis Completed?		Local Limits Needed?		MAHL Adopted?		MAHL (Program page 30) Numerical Limit Adopted (lb/day) based on 3.410 MGD flow avg. flow now @ 5.5 MGD
	Yes	No	Yes	No	Yes	No	
	Arsenic (As)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Cadmium (Cd)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0.30
Chromium-Total	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	7.13
Copper (Cu)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	2.85
Cyanide (CN)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1.12
Lead (Pb)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3.27
Mercury (Hg)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0.007
Molybdenum (Mo) *	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0.36
Nickel (Ni)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	2.38
Selenium (Se) *	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0.48
Silver (Ag)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1.28
Zinc (Zn)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	8.55

\* - If necessary for the sludge disposal option chosen.

YES NO

Has the Control Authority identified pollutants of concern other than the required pollutants and technically evaluated the need for local limits for these? If yes, provide the following information:

POLLUTANT	Headworks Analysis Completed?		Local Limits Needed?		MAHL Adopted?		MAHL Numerical Limit Adopted (lb/day)
	Yes	No	Yes	No	Yes	No	
BOD	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	12,010
TSS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	8,340
Ammonia-N2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1,820
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

## SECTION II: PROGRAM ANALYSIS AND PROFILE

YES NO

Where it has been determined that certain pollutants need to have limits, has the POTW identified the sources of the pollutants?

What method of allocation will be used for local limits for each pollutant that has a local limit in-place?

	TYPE OF ALLOCATION		
	Uniform Concentration	(if needed) Mass	Hybrid
Arsenic (As)	_____	_____	_____
Cadmium (Cd)	_____	_____	_____
Chromium-Total	_____	_____	_____
Copper (Cu)	_____	_____	_____
Cyanide (CN)	_____	_____	_____
Lead (Pb)	_____	_____	_____
Mercury (Hg)	_____	_____	_____
Molybdenum (Mo)	_____	_____	_____
Nickel (Ni)	_____	_____	_____
Selenium (Se)	_____	_____	_____
Silver (Ag)	_____	_____	_____
Zinc (Zn)	_____	_____	_____
BOD	_____	_____	_____
TSS	_____	_____	_____

(Page 32 of Program)

✓ (Fuji Color has moved. Ag LL may not be needed now)

✓

✓

If there is more than one treatment plant, were the local limits established specifically for each plant or were local limits applied uniformly to all plants? N/A

### H. COMPLIANCE MONITORING

Compliance Monitoring and Inspection Requirements:

Program Aspect	Approved Program	Federal Requirement	Explain Difference
Inspections:			
CIUs	<u>1 yr</u>	1/year	_____
Other SIUs	<u>1 yr</u>	1/year	_____
Sampling:			
CIUs	<u>1 yr</u>	1/year	_____
Other SIUs	<u>10-12 yr</u>	1/year	<u>Surcharge purposes</u>
Reporting:			
CIUs	<u>2/yr</u>	2/year	_____
Other SIUs	<u>12 yr</u>	2/year	"
Self-Monitoring:			
CIUs	<u>2/yr</u>	2/year	_____
Other SIUs	<u>12-52 yr</u>	2/year	<u>(Kraft for surcharge purposes)</u>

# % How many and what percentage of SIUs were:  
(refer to p.1 for Pretreatment year)

0 0 Not sampled at least once in the past reporting year?

0 0 Not inspected at least once in the past Pretreatment reporting year?

0 0 Not inspected and not sampled at least once in the past reporting year ?  
[WENDB-NOIN]-[403.8(f) (2) (v) ]

**SECTION II: PROGRAM ANALYSIS AND PROFILE**

Attach the names of SIUs that were not sampled and/or not inspected within the last Pretreatment reporting year. Include an explanation next to each name as to why it was not sampled and/or not inspected.

Does the Control Authority routinely split samples with industrial personnel:

YES NO  
  If requested?  
  To verify IU self-monitoring results?

Provide the following information regarding pollutant analyses done by the POTW:

	<u>Analytical Method*</u>	<u>Name of Laboratory</u>
Metals	<u>ICP/MS</u>	<u>American Interplex &amp; ETG</u>
Cyanide	<u>spectrophotometric</u>	<u>"</u>
Organics	<u>GS/MS</u>	<u>"</u>
Other	<u>Conventional NH3, Nitrates &amp; Phos</u>	<u>POTW</u>

Were all wastewater samples analyzed by 40 CFR 136 methods? YES

\* Enter the type of Analytical Method used for each group of pollutants. (eg. AA-flame, AA-furnace, GC, GC/MS, ICP, etc.)

YES NO

Does the POTW use QA/QC for sampling and analysis? If yes, describe: they rely on State's certification process and requires the IUs to have a QA/QC procedure with their contract labs via permit language & participates in state's DMR cert. process getting standards from a chemical process group

How much time normally elapses between sample collection and obtaining analytical results for:

1 wk Conventionals  
1-3 wk Metals  
1-3 wk Organics

Is there an established protocol clearly detailing sampling location and procedures? *\*City has a fairly comprehensive sampling SOP manual for each IU.*

Has the Control Authority had any problems performing compliance monitoring?  
 If yes, explain: \_\_\_\_\_

Does the Control Authority use the following methods for compliance monitoring?

YES NO

Scheduled compliance monitoring  
  Unscheduled compliance monitoring  
  Demand monitoring for IU compliance  
  IU self-monitoring  
  Other: \_\_\_\_\_

YES NO

Has the Control Authority identified any violation of the prohibited discharge standards in the last reporting year? If yes, describe below.

**SECTION II: PROGRAM ANALYSIS AND PROFILE**

**I. ENFORCEMENT**

YES NO

- Is the Control Authority definition of SNC consistent with EPA's? [403.8(f) (2) (vii)]
- Does the Control Authority have a written enforcement response plan? [403.8(f) (5)]. If yes, does the plan:

YES NO

- Describe how the Control Authority will investigate instances of noncompliance
- Describe the Control Authority's types of escalating enforcement responses and the periods for each response
- Identify by Title the Official(s) responsible for implementing each type of enforcement response
- Reflect the Control Authority's responsibility to enforce all applicable pretreatment requirements and standards

Check those compliance/enforcement options that are available to the POTW in the event of IU noncompliance: [403.8(f) (1) (vi)]

- |  |   |
|--|---|
| <input checked="" type="checkbox"/> Notice or letter of violation  | <input checked="" type="checkbox"/> Administrative Order    |
| <input checked="" type="checkbox"/> Setting of compliance schedule | <input checked="" type="checkbox"/> Revocation of permit    |
| <input checked="" type="checkbox"/> Injunctive relief              | <input checked="" type="checkbox"/> Fines (maximum amount): |

civil	\$	<u>1000</u> /day/violation
criminal	\$	<u>1000</u> /day/violation
administrative	\$	_____ /day/violation

- Imprisonment
- Termination of Service
- Other: \_\_\_\_\_

Describe any problems the Control Authority has experienced implementing or enforcing its pretreatment program: None apparent.

YES NO

- When violations occur, does the Control Authority routinely notify SIUs and escalate enforcement responses if violations continue? [403.8(f) (5)]
- Are SIUs required to notify the Control Authority within 24 hours of becoming aware of a violation and to conduct additional monitoring within 30 days after the violation is identified? [403.12(g) (2)]. Comment: \_\_\_\_\_

YES NO

- N/A  If no, does the Control Authority conduct all of the monitoring?
- Does the pattern of enforcement conform to the Enforcement Response Plan?

## SECTION II: PROGRAM ANALYSIS AND PROFILE

Complete the following table for SIUs identified as SNC.

SIU Name	Date First Identified in SNC	Enforcement Action Type	Date	Return to Compliance? Yes (Date)	No
N/A					

Indicate the number and percent of SIUs that were identified as being in significant noncompliance during the past Pretreatment reporting period:

#	%	
0	0	Pretreatment Standards [WENDB-PSNC] (Local Limits/Categorical Standards)
0	0	Self-monitoring requirements [WENDB-MSNC]
0	0	Reporting requirements [WENDB-PSNC]
0	0	Pretreatment compliance schedule [WENDB-SSNC]
0		How many SIUs that are currently in SNC with self-monitoring and were not inspected or sampled? [WENDB-SNIN]

YES   NO

Does the ERP provide for any Pollution Prevention activities as corrective actions? If so, give some examples. \_\_\_\_\_

Has the Control Authority experienced any of the following:

YES   NO

EXPLAIN and ID Industrial User

- Interference [WENDB]. \_\_\_\_\_
- Pass through [WENDB]. \_\_\_\_\_
- Fire or explosions? \_\_\_\_\_  
(incl. flash point viol.)
- Corrosive structural damage? \_\_\_\_\_  
(incl. pH <5.0).
- Flow obstructions? \_\_\_\_\_
- Excessive flow \_\_\_\_\_  
or pollutant concentrations? \_\_\_\_\_
- Heat problems? \_\_\_\_\_
- Interference due to oil \_\_\_\_\_  
or grease? \_\_\_\_\_
- Toxic fumes? \_\_\_\_\_
- Illicit dumping of \_\_\_\_\_  
hailed wastes? \_\_\_\_\_

Does the Control Authority compare all monitoring data to applicable Pretreatment Standards and requirements contained in the control mechanism? [403.8(f)(2)(iv)]

0 How many SIUs are currently on compliance schedules?

Have any CIUs been allowed more than 3 years from the effective date of a categorical standard to achieve compliance with those standards? [403.6(b)]

**SECTION II: PROGRAM ANALYSIS AND PROFILE**

Indicate the number of SIUs from which penalties have been collected by the Control Authority during the past Pretreatment reporting period:

	<u>Number</u>	<u>Amount</u>
Civil	<u>0</u>	<u>\$ 0</u>
Administrative	<u>0</u>	<u>\$ 0</u>
Total	<u>0</u>	<u>\$ 0</u>

[WENDB-IUPN]

J. DATA MANAGEMENT/PUBLIC PARTICIPATION

YES NO

Are inspection & sampling records well documented, organized and readily retrievable? Are files/records:

YES NO

computerized

hard copy

OTHER: \_\_\_\_\_

Are the following files computerized:

YES NO

Control Mechanism Issuance  
  Inspection and Sampling schedule  
  Monitoring Data  
  IU Compliance Status Tracking  
  Other: O & G Program software

Can IU monitoring data can be retrieved by:

Industry name  
  Pollutant type  
  Industrial category or type  
  SIC Code  
  IU discharge volume  
  Geographic location  
  Receiving treatment plant (i.e. if > one plant in the system)  
  Other (specify) SNC calculations/data can be retrieved  
  Does the POTW have provisions to address claims of confidentiality?  
 [403.8(f) (1) (vii)]  
  Have IUs requested that data be held confidential?  
 How is confidential information handled by the Control Authority?  
3M, a pharmaceutical company has submitted what they've stamped  
"Confidential" on it. City personnel keeps this info "behind lock & key"

Are there significant public or community issues impacting the POTW's pretreatment program?  
 If yes, please explain: new regional POTW under construction will cause an increase in taxes, sewer rates & possibly revisions to their MAHLs

Are all records maintained for at least 3 years?

K. RESOURCES

What is the current level of resources dedicated to the Pretreatment Program in FTEs and funding amounts? [403.8(f) (3)] \* - FTE = Full Time Equivalent Employee  
estimated at one (1)

**SECTION II: PROGRAM ANALYSIS AND PROFILE**

YES NO

     Have any problems in program implementation been observed which appear to be related to inadequate funding?

If yes, describe and show below the source(s) of funding for the program:  
    surcharges go back into the city's general operating fund from which  
    program expenses are drawn.

Percent of Total Funding

<input checked="" type="checkbox"/> <u>    </u> POTW general operating fund	<u>    100    </u>
<u>    </u> <u>    </u> IU permit fees	<u>          </u>
<u>    </u> <u>    </u> monitoring charges	<u>          </u>
<u>    </u> <u>    </u> industry surcharges	<u>          </u>
<u>    </u> <u>    </u> other (describe) _____	<u>          </u>
	Total <u>  100%  </u>

YES NO

     Is funding expected to continue near the current level? If no, will it:  
 Increase      or Decrease       
 If no, describe the nature of the changes:  
 \_\_\_\_\_

Are an adequate number of personnel available for the following program areas:

YES NO

If no, explain

- Legal assistance \_\_\_\_\_
- Permitting \_\_\_\_\_
- IU inspections \_\_\_\_\_
- Sample collection \_\_\_\_\_
- Sample analyses \_\_\_\_\_
- Data analysis, review and response \_\_\_\_\_
- Enforcement \_\_\_\_\_
- Administration (inc. record keeping /data management) \_\_\_\_\_

Does the Control Authority have access to adequate:

YES NO

If yes then list and if no, explain

- Sampling equipment           Isco - 3 portables, Sigma - 1, 3 bubbler and 1 area velocity flow meters
- Safety equipment           ventilators and gas detectors
- Vehicles           one truck
- Analytical equipment           Standard equipment for conventionals

**SECTION II: PROGRAM ANALYSIS AND PROFILE**

SECTION

I. POLLUTION PREVENTION

- 1. Describe any efforts that have been taken to incorporate pollution prevention into the Pretreatment Program (e.g. waste minimization at IUs, household hazardous waste programs, etc.):

Inspections include questions about waste minimization.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

- 2. Has the source of any toxic pollutants been identified? No  
If yes, what was found?

N/A  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

- 3. Has the POTW implemented any kind of public education program? If yes, describe:  
Plant tours for school kids.

Oil & Grease abatement program is scheduled to begin in 2010.  
\_\_\_\_\_  
\_\_\_\_\_

- 4. Does the POTW have any pollution prevention success stories for industrial users documented? no. If yes, please attach.

- 5. Are SIUs required to get a pollution prevention audit or assessment as a part of their permit application or as a requirement of their permit?

No.  
\_\_\_\_\_  
\_\_\_\_\_

- 6. Has the POTW used any of the various "Guides to Pollution Prevention" as examples to their industrial and commercial users as ways to eliminate or reduce pollutants? Not recently  
If yes, which of the "Guides to Pollution Prevention" were used? \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_



**SECTION III: INDUSTRIAL USER FILE REVIEW**

FILE #: 1 Industry Name 3M ESPE Preventive Care File/ID No. CIU3M-08  
Industry Address 2501 S.E. Otis Corley Drive  
Industry Description Prescription mouthwashes and gels for dentistry produced  
Industrial Category Pharmaceutical Mfg. 40 CFR 439 SIC Code: 2834, 5122  
Ave. Total Flow (gpd) ?? Ave. Process Flow (gpd) ~30 (intermittently)  
Industry visited during audit: YES  
Comments: \_\_\_\_\_

FILE #: 2 Industry Name Walmart TMG File/ID No. IU05-09  
Industry Address 6301 SW Regional Airport Road  
Industry Description Truck maintenance and wash facility (exterior only)  
Industrial Category N/A 40 CFR N/A SIC Code: 4173  
Ave. Total Flow (gpd) 11,000 Ave. Process Flow (gpd) 11,000  
Industry visited during audit: YES Randall Stafford  
Comments: Nothing contributed from the maintenance side of the facility

FILE #: 3 Industry Name Kraft File/ID No. IU02-09  
Industry Address 507 S.E. 8th Street, 72712  
Industry Description Processed cheese production  
Industrial Category NA 40 CFR NA SIC Code: 2022  
Ave. Total Flow (gpd) 267,000 Ave. Process Flow (gpd) 267,000

Industry visited during audit: YES

Comments: \_\_\_\_\_

FILE #: \_\_\_\_\_ Industry Name \_\_\_\_\_ File/ID No. \_\_\_\_\_  
Industry Address \_\_\_\_\_  
Industry Description \_\_\_\_\_  
Industrial Category \_\_\_\_\_ 40 CFR \_\_\_\_\_ SIC Code: \_\_\_\_\_  
Ave. Total Flow (gpd) \_\_\_\_\_ Ave. Process Flow (gpd) \_\_\_\_\_  
Industry visited during audit: \_\_\_\_\_

Comments: \_\_\_\_\_

# SECTION III: INDUSTRIAL USER FILE REVIEW

SECTION III

**A. Industrial User Characterization**

	<u>FILE 1</u>	<u>FILE 2</u>	<u>FILE 3</u>	<u>FILE 4</u>	<u>FILE 5</u>
1. Is the IU considered "significant" by the Control Authority?	✓	✓	✓	_____	_____
2. Is the user subject to categorical pretreatment standards?	✓	no	no	_____	_____
a. New source or existing source (NS or ES)?	NS	N/A	N/A	_____	_____
b. Is this IU one identified as having P <sup>2</sup> potential?	no	no	no	_____	_____

**B. Control Mechanism**

1. Does the file contain an application for a control mechanism?	✓	✓	✓	_____	_____
If yes, what is the application date?	5/07	9/09	8/09	_____	_____
Does it ask for Pollution Prevention information?	no	no	no	_____	_____
2. Does the file contain a Permit?	✓	✓	✓	_____	_____
Permit Expiration Date?	1/11	9/12	9/12	_____	_____
Is a fact sheet included?	1	✓	✓	_____	_____
3. Has the SIU been issued a control mechanism containing: [403.8(f) (1) (iii) (A) - (E)]					
a. Legal Authority Cite?	✓	✓	✓	_____	_____
b. Expiration date?	✓	✓	✓	_____	_____
c. Statement of nontransferability?	✓	✓	✓	_____	_____
d. Appropriate discharge limitations?	✓	✓	✓	_____	_____

Comments: 1) New CIU, fact sheet has not been fully developed.

### SECTION III: INDUSTRIAL USER FILE REVIEW

	<u>FILE 1</u>	<u>FILE 2</u>	<u>FILE 3</u>	<u>FILE 4</u>	<u>FILE 5</u>
e. Appropriate self-monitoring requirements?	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>      </u>	<u>      </u>
f. Sampling frequency?	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>      </u>	<u>      </u>
g. Sampling locations?	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>      </u>	<u>      </u>
h. Requirement for flow monitoring?	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>      </u>	<u>      </u>
i. Types of samples (grab or composite) for self-monitoring?	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>      </u>	<u>      </u>
j. Applicable IU reporting requirements?	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>      </u>	<u>      </u>
k. Standard conditions for:					
Right of Entry?	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>      </u>	<u>      </u>
Records retention?	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>      </u>	<u>      </u>
Civil and Criminal Penalty provisions?	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>      </u>	<u>      </u>
Revocation of permit?	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>      </u>	<u>      </u>
l. Compliance schedules/ progress reports	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>      </u>	<u>      </u>
m. General/Specific Prohibitions?	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>      </u>	<u>      </u>
n. Where technologically and economically achievable, are P <sup>2</sup> aspect included?	<u>no</u>	<u>no</u>	<u>no</u>	<u>      </u>	<u>      </u>
C. <u>Application of Standards</u>					
1. Has the IU been properly categorized?	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>      </u>	<u>      </u>
2. Were both Categorical Standards and Local Limits properly applied?	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>      </u>	<u>      </u>
3. Was the IU notified of recent revisions to applicable pretreatment standards? [403.8(f) (2) (iii)]	<u>n/a</u>	<u>n/a</u>	<u>n/a</u>	<u>      </u>	<u>      </u>

**SECTION III: INDUSTRIAL USER FILE REVIEW**

SECTION III

	<u>FILE 1</u>	<u>FILE 2</u>	<u>FILE 3</u>	<u>FILE 4</u>	<u>FILE 5</u>
4. For IUs subject to production-based standards, have the standards been properly applied? [403.8(f) (1) (iii)]	<u>n/a</u>	<u>n/a</u>	<u>n/a</u>	<u>      </u>	<u>      </u>
5. For IUs with combined wastestreams is the Combined Wastestream Formula or the Flow Weighted Average formula correctly applied? [403.6(d) and (e)]	<u>n/a</u>	<u>n/a</u>	<u>n/a</u>	<u>      </u>	<u>      </u>
6. For IUs receiving a "net/gross" variance, are the alternate standards properly applied?	<u>n/a</u>	<u>n/a</u>	<u>n/a</u>	<u>      </u>	<u>      </u>
7. Is the Control Authority applying a bypass provision to this IU?	<u>1</u>	<u>1</u>	<u>1</u>	<u>      </u>	<u>      </u>
D. <u>Compliance Monitoring</u>					
<u>Sampling</u>					
1. Does the file contain Control Authority sampling results for the industry?	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>      </u>	<u>      </u>
2. Did the Control Authority sample as frequently as required by its approved program or permit? [403.8(c)]	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>      </u>	<u>      </u>
3. Does the sampling report(s) include: [403.8(f) (2) (vi)]					
a. Name of sampling personnel?	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>      </u>	<u>      </u>
b. Sample date and time?	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>      </u>	<u>      </u>
c. Sample type?	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>      </u>	<u>      </u>
d. Wastewater flow at the time of sampling?	<u>2</u>	<u>✓</u>	<u>✓</u>	<u>      </u>	<u>      </u>

Comments: 1) Bypass language needs to be revised to reflect language in 40 CFR 403.17; 2) Batch discharge (~40 gpd) not mentioned.

## SECTION III: INDUSTRIAL USER FILE REVIEW

	<u>FILE 1</u>	<u>FILE 2</u>	<u>FILE 3</u>	<u>FILE 4</u>	<u>FILE 5</u>
e. Sample preservation procedures?	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>    </u>	<u>    </u>
f. Chain-of-custody records?	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>    </u>	<u>    </u>
g. Results for all parameters? SIUs & CIUs [403.12(g) (1) - CIUs]	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>    </u>	<u>    </u>
4. Has the Control Authority appropriately implemented all applicable TTO monitoring/management requirements?	<u>n/a</u>	<u>n/a</u>	<u>n/a</u>	<u>    </u>	<u>    </u>
5. Did the Control Authority adequately assess the need for flow-proportion vs. time-proportion vs. grab samples?	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>    </u>	<u>    </u>
6. Were 40 CFR 136 analytical methods used? [403.8(f) (2) (vi)]	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>    </u>	<u>    </u>
<u>Inspections</u>					
7. Does the IU file contain inspection reports?	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>    </u>	<u>    </u>
8. a. Has the Control Authority inspected the IU at least as frequently as required by the approved program or permit? [403.8(c)]	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>    </u>	<u>    </u>
b. Date of last Inspection	<u>5/09</u>	<u>10/09</u>	<u>10/09</u>	<u>    </u>	<u>    </u>
9. Does the inspection (See Atatch. A-2) report(s) include: [403.8(f) (2) (vi)]					
a. Inspector Name(s)	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>    </u>	<u>    </u>
b. Inspection date and time?	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>    </u>	<u>    </u>
c. Name and title of IU official contacted?	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>    </u>	<u>    </u>
d. Verification of production rates?	<u>n/a</u>	<u>n/a</u>	<u>n/a</u>	<u>    </u>	<u>    </u>

# SECTION III: INDUSTRIAL USER FILE REVIEW

FOES  
12/11

	<u>FILE 1</u>	<u>FILE 2</u>	<u>FILE 3</u>	<u>FILE 4</u>	<u>FILE 5</u>
e. Identification of sources, flow, and types of discharge (regulated, dilution flow, etc.)?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f. Evaluation of pretreatment facilities?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g. Evaluation of self-monitoring equipment and techniques?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
h. Evaluation of slug discharge control plan & need to develop? [403.8(f) (2) (v)]	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
i. Manufacturing facilities?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
j. Chemical handling and storage procedures?	<u>no</u>	<u>no</u>	<u>no</u>	<input type="checkbox"/>	<input type="checkbox"/>
k. Chemical spill prevention areas?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
l. Hazardous waste storage areas and handling procedures?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
m. Sampling procedures?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
n. Laboratory procedures?	<u>n/a</u>	<u>n/a</u>	<u>n/a</u>	<input type="checkbox"/>	<input type="checkbox"/>
o. Monitoring records?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
p. Evaluation of Pollution Prevention opportunities?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
q. Control Authority inspector signature?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## IU Self-Monitoring and Reporting

10. Does the file contain self-monitoring reports?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
--	-------------------------------------	-------------------------------------	-------------------------------------	--------------------------	--------------------------

### SECTION III: INDUSTRIAL USER FILE REVIEW

	FILE 1	FILE 2	FILE 3	FILE 4	FILE 5
11. Does the file include:					
a. BMR?	<u>1</u>	<u>N/A</u>	<u>N/A</u>	<u>      </u>	<u>      </u>
b. 90-Day Report?	<u>✓</u>	<u>N/A</u>	<u>N/A</u>	<u>      </u>	<u>      </u>
c. All periodic reports?	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>      </u>	<u>      </u>
d. Compliance schedule reports?	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>      </u>	<u>      </u>
12. Did the IU report on all required parameters?	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>      </u>	<u>      </u>
13. Did the IU comply with the required sampling frequency(s)?	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>      </u>	<u>      </u>
14. Did the IU report flow?	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>      </u>	<u>      </u>
15. Did the IU comply with the required reporting frequency(s)?	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>      </u>	<u>      </u>
16. For all SIUs, are self-monitoring reports signed and certified?	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>      </u>	<u>      </u>
17. Did the IU report all changes in its discharge? [403.12(j)]	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>      </u>	<u>      </u>
18. Has the IU developed a Slug Control and Prevention Plan?	<u>2</u>	<u>✓</u>	<u>✓</u>	<u>      </u>	<u>      </u>
19. Has the industry been responsible for spills or slug loads discharged to the POTW?	<u>no</u>	<u>no</u>	<u>✓</u>	<u>      </u>	<u>      </u>
If yes, does the file contain documentation regarding:					
a. Did the spill cause Pass Through or Interference?	<u>no</u>	<u>no</u>	<u>no</u>	<u>      </u>	<u>      </u>
b. Did POTW respond to the spill?	<u>--</u>	<u>--</u>	<u>3</u>	<u>      </u>	<u>      </u>

Comments: 1) City's permit application doubles as their BMR; 2) Deemed that a slug potential does not exist from this facility; 3) City responded with an NOV (no harm to POTW)

# SECTION III: INDUSTRIAL USER FILE REVIEW

FILE 1    FILE 2    FILE 3    FILE 4    FILE 5

E. Enforcement

1. Were all discharge violations identified in: [403.8(f) (2) (vi)]					
a. Control Authority monitoring results?	✓	✓	✓	_____	_____
b. IU self-monitoring results?	✓	✓	✓	_____	_____
c. If NS CIU was it compliant within 90 days from commencement of discharge?	✓	N/A	N/A	_____	_____
2. How many reports submitted during the past reporting year indicated discharge violations?	0	0	(1) 5	_____	_____
3. Did the IU notify the Control Authority within 24 hours of becoming aware of the violation(s)?	--	-	✓	_____	_____
4. Was additional monitoring conducted within 30 days after each discharge violation occurred?	-	-	✓	_____	_____
5. Were all nondischarge violations identified in the file?	N/A	N/A	✓	_____	_____
6. Was the IU notified of all violations?	✓	✓	✓	_____	_____
7. Was follow-up enforcement action taken by the Control Authority?	✓	✓	✓	_____	_____
8. Did the Control Authority follow its approved ERP?	✓	✓	✓	_____	_____
9. Did the Control Authority's enforcement action result in the IU achieving compliance?	✓	✓	✓	_____	_____

Comments: 1) Two of the violations were found by the City's sampling



**SECTION III: INDUSTRIAL USER FILE REVIEW**

	<u>FILE 1</u>	<u>FILE 2</u>	<u>FILE 3</u>	<u>FILE 4</u>	<u>FILE 5</u>
10. Is there a compliance schedule? If yes:	<u>no</u>	<u>no</u>	<u>no</u>	_____	_____
11. Were there any compliance schedule violations?	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	_____	_____
12. Was SNC calculated for the violations on a quarterly basis? [403.8(f) (2) (vii)]	<u>✓</u>	<u>✓</u>	<u>✓</u>	_____	_____
During evaluation for SNC, did the CA consider each of the following criteria?					
a. Chronic violations	<u>✓</u>	<u>✓</u>	<u>✓</u>	_____	_____
b. TRC	<u>✓</u>	<u>✓</u>	<u>✓</u>	_____	_____
c. Pass through/Interference	<u>✓</u>	<u>✓</u>	<u>✓</u>	_____	_____
d. Spill/slug loads	<u>✓</u>	<u>✓</u>	<u>✓</u>	_____	_____
e. Reporting	<u>✓</u>	<u>✓</u>	<u>✓</u>	_____	_____
f. Compliance schedule	<u>✓</u>	<u>✓</u>	<u>✓</u>	_____	_____
g. others (specify)	_____	_____	_____	_____	_____
13. Was the SIU published for SNC?	<u>no</u>	<u>no</u>	<u>no</u>	_____	_____
Date of publication.	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	_____	_____

**REPORTABLE NONCOMPLIANCE (RNC)**  
**for the Pretreatment Audit Checklist**  
**(MUNICIPAL POLLUTION PREVENTION ASSESSMENT CHECKLIST)**

Control Authority: City of Bentonville NPDES #: AR0022403  
 Date of Audit: 12/1 - 12/3/09 Date entered into QNCR: 4/8/10  
 (ASSESSMENT)

		Level
NO	Failure to enforce against pass through and/or interference	I
NO	Failure to submit required reports within 30 days	I
NO	Failure to meet compliance schedule milestone date within 90 days	I
NO	Failure to issue/reissue control mechanisms to 90% of SIUs within 6 months	II
NO	Failure to inspect or sample 80% of SIUs within the last reporting year	II
NO	Failure to enforce pretreatment standards and reporting requirements	II
NO	Other violations of concern	II

**SIGNIFICANT NONCOMPLIANCE (SNC)**

- NO Is the Control Authority in SNC for violation of any Level I criterion.
- NO Is the Control Authority in SNC for violation of 2 or more Level II criterion.

**PRETREATMENT AUDIT**  
(MUNICIPAL POLLUTION PREVENTION ASSESSMENT)

**INDUSTRIAL SITE VISIT (CONTINUED)**

Control Authority: City of Bentonville NPDES #: AR0022403

Industry name: 3M ESPE

Additional comments:

What little wastewater they generate (~30 gpd) is from their SS mixing vessels in their "proprietary" room for which this auditor was denied access. Facility rep could not reach corporate contacts for approval of my walk-thru of their process area.

Facility rep indicated they had written cleaning procedure between products changes. Rinses are with city water.

Different flavors are used with their proprietary pharmaceutical active ingredients. They batch discharge only 3 to 5 gallons per rinse cycle. The restaurant sized sinks in which this water is discharged was in the only room "we" were allowed to visit and where samples are grabbed.

Everything seen was stainless steel and clean.

Some of products ingredients do contain or are called cavinse, theraspray, periomix, glycerin, JFK bubble gum and strawberry flavorings.

Visit conducted by: Gilliam/Busen/Rios Date: 12/2/09

*Allen Gilliam*

(signature of auditor conducting visit)

**PRETREATMENT AUDIT**  
**(MUNICIPAL POLLUTION PREVENTION ASSESSMENT)**  
**INDUSTRIAL SITE VISIT**

Control Authority: City of Bentonville NPDES #: AR0022403

Name, address and phone number of industry:

3M ESPE, 2501 S.E. Otis Corley Drive 479.464.2120

Type of industry: Dental Care Products Date/Time visit:  
 CFR 439 12/2/09 / 10:30 a.m.

Industry contacts: Chris McNew - EHS Manager

	Yes	No	N/A
1. Significant industrial user?	<u>✓</u>	___	___
2. Classified correctly?	<u>✓</u>	___	___
3. Pretreatment equipment or procedures?	___	___	<u>✓</u>
4. Pretreatment equipment maintained and operational?	___	___	<u>✓</u>
5. Hazardous waste generated or stored?	<u>✓</u>	___	___
6. Proper solid waste disposal?	<u>✓</u>	___	___
7. Solvent management/TTO control?	___	___	<u>✓</u>
8. Suitable sampling location?	<u>✓</u>	___	___
9. Appropriate self-monitoring procedures/equipment?	<u>✓</u>	___	___
10. Adequate spill prevention and control?	<u>✓</u>	___	___
11. Industrial familiar with limits and requirements?	<u>✓</u>	___	___
12. Pollution Prevention activity	<u>✓</u>	___	___

Additional comments: This state auditor's un-announced appearance, even with familiar city representatives at the facility had the local manager and supervisor unsure of what I was allowed to view because of their trade secrets. They make dental creams and rinses with associated pharmaceutical active ingredients which they claim proprietary.

Visit conducted by: Gilliam/Busen/Rios Date: 12/2/09

Allen Gilliam  
 (signature of auditor conducting visit)

**PRETREATMENT AUDIT**  
(MUNICIPAL POLLUTION PREVENTION ASSESSMENT)  
INDUSTRIAL SITE VISIT (CONTINUED)

Control Authority: City of Bentonville NPDES #: AR0022403

Industry name: Kraft Foods

Additional comments: All process wastewater is basically equipment washdown which gravity flows to two (3) parallel outside containment pits. The volume and retention time of these pits do not have the capacity for any biological treatment.

Raw materials used in product include milk, cream, salt, rennet and bacterial cultures. Mixing of these ingredients are done in the "clean" building in stainless steel vessels and tubing. End product is not saleable cheese now, but a flavor alternate cheese whey that goes into their final cheese product elsewhere. Kraft Env. Management has what they call an EMS. Employee training with changes in clean-up procedures have resulted in substantially less water usage and much less phosphorous. Some internal milk vessel valves(?) were modified so not as much milk was wasted. "Pretreatment" (3 concrete in-ground cells, 2 with agitators) consists of pH adjustment (sulphuric acid) prior to discharge to the city. Process water discharged into their outside tanks is much clearer then what was observed during the visit 3+ years ago. This can be attributed to less milk being discharged, more efficient wash down procedures plus more of the solids are removed for rendering. Some alum is added to the pits to help precipitation of solids also.

Suitable sampling site inside building.

Visit conducted by: Gilliam/Busen/Rios Date: 12/2/09



(signature of auditor conducting visit)

# PRETREATMENT AUDIT

(MUNICIPAL POLLUTION PREVENTION ASSESSMENT)

## INDUSTRIAL SITE VISIT

Control Authority: City of Bentonville NPDES #: AR0022403

Name, address and phone number of industry:

Kraft Foods, 507 S.E. "E" Street, 479.273.5561 X-132

Type of industry: Cheese by-product Mfg. Date/Time of visit:

12/2/09 / 1:15 p.m.

Industry Contacts: Jane Reagan & Stephanie Robertson

	Yes	No	N/A
1. Significant industrial user?	<u>✓</u>	<u>   </u>	<u>   </u>
2. Classified correctly?	<u>✓</u>	<u>   </u>	<u>   </u>
3. Pretreatment equipment or procedures?	<u>✓*</u>	<u>   </u>	<u>   </u>
4. Pretreatment equipment maintained and operational?	<u>✓</u>	<u>   </u>	<u>   </u>
5. Hazardous waste generated or stored?	<u>   </u>	<u>   </u>	<u>✓</u>
6. Proper solid waste disposal?	<u>✓</u>	<u>   </u>	<u>   </u>
7. Solvent management/TTO control?	<u>   </u>	<u>   </u>	<u>✓</u>
8. Suitable sampling location?	<u>✓</u>	<u>   </u>	<u>   </u>
9. Appropriate self-monitoring procedures/equipment?	<u>✓</u>	<u>   </u>	<u>   </u>
10. Adequate spill prevention and control?	<u>   </u>	<u>   </u>	<u>✓</u>
11. Industrial familiar with limits and requirements?	<u>✓</u>	<u>   </u>	<u>   </u>
12. Pollution Prevention activity	<u>✓</u>	<u>   </u>	<u>   </u>

\*pH adjustment

Additional comments: Time constraints limited the site visit to the "pretreatment building" and below ground concrete vaults where pH is adjusted prior to release to the City. Touring the entire process building would have yielded little more info because of "proprietary" processes in use.

Visit conducted by: Gilliam/Busen/Rios Date: 12/2/09

*Allen Gilliam*

(signature of auditor conducting visit)

**PRETREATMENT AUDIT**  
(MUNICIPAL POLLUTION PREVENTION ASSESSMENT)  
INDUSTRIAL SITE VISIT (CONTINUED)

Control Authority: City of Bentonville NPDES #: AR0022403

Industry name: Walmart TMG

Additional comments: Facility uses a "Whiting System" for their wash system design/construction. Whiting reps have made contact with this office many times regarding truck/car wash potential regs and pretreatment issues. The wash rack is electronically started, "gantry" with spray nozzles travels the length of truck covering both sides and the top, back and forth until cycle is complete.

Wash now includes soap, then a citric acid, high pressure city water rinse, wax applied followed by a spot-free softener rinse.

All oils from maintenance is recycled, coolants are recovered in drums and sent off-site. Other than a sand oil separator, the facility doesn't require any additional pretreatment to meet the city's requirements.

Sampling point adequate and clean. Flow totalizer is "Milltronics". The most recent calibration record was attached.

Visit conducted by: Gilliam/Busen/Rios Date: 12/3/09

*Allen Bullock*

(signature of auditor conducting visit)

# PRETREATMENT AUDIT

(MUNICIPAL POLLUTION PREVENTION ASSESSMENT)

## INDUSTRIAL SITE VISIT

Control Authority: City of Bentonville NPDES #: AR0022403

Name, address and phone number of industry:

Walmart TMG, 6301 SW Regional Airport Rd.

Type of industry: Truck Maintenance & Wash Date/Time of visit:

12/3/09 / 9:05 a.m.

Industry contacts: Chris Parson

	Yes	No	N/A
1. Significant industrial user?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Classified correctly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Pretreatment equipment or procedures?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Pretreatment equipment maintained and operational?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Hazardous waste generated or stored?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Proper solid waste disposal?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7. Solvent management/TTO control?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8. Suitable sampling location?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Appropriate self-monitoring procedures/equipment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Adequate spill prevention and control?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Industrial familiar with limits and requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Pollution Prevention activity	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Additional comments:

Facility's wastewater generation comes from the washdown of their "18-wheelers" which consists of a fleet of around 230 tractors. Trailer washes - probably about 150/month.

Visit conducted by: Gilliam/Busen/Rios Date: 12/3/09



(signature of auditor conducting visit)





**City of Bentonville, Arkansas  
Industrial Pretreatment Division  
Liquid Waste Hauler Permit**

**Permit No. BWH 05 – 10**

In accordance with the provisions of Ordinance # 2003-59;

Name: **BBB Septic & Portable Toilet Service  
P.O. Box 1271  
Bentonville, AR 72712**

is hereby authorized to transport and dispose of wastewater to the Bentonville Wastewater Treatment Plant in accordance with the conditions set forth in this permit. Compliance with this permit does not relieve the permittee of its obligation to comply with any or all applicable pretreatment regulations, standards, or requirements under Federal, State or local laws, including any such regulations, standards, requirements or laws that may become effective during the term of this permit.

Noncompliance with any term or condition of this permit shall constitute a violation of Ordinance # 2003-59.

This permit shall become effective on January 1, 2010 and shall expire at midnight on December 31, 2010.

If the permittee wishes to continue to discharge after the expiration date of this permit, an application must be filed for a renewal of this permit in accordance with the requirements of Ordinance # 2003-59, **a minimum of 30 days prior to the expiration date.**

Issued by \_\_\_\_\_  
Pretreatment Supervisor, City of Bentonville

this \_\_\_\_\_ day of \_\_\_\_\_, 2009

## Section 1 - Areas Regulated by Permit

- A. The City of Bentonville will accept loads from all residential customers receiving utility services from the City of Bentonville who are not presently connected to the City's wastewater collection system. The City will also accept loads from all residential customers with septic tanks in the City of Centerton. It is the responsibility of the waste hauler to provide documentation to verify that the waste originated from any of the acceptable areas. A waste hauler wanting to dispose of any load originating from outside of these designated areas will do so only after permission has been granted by the wastewater treatment plant's plant manager or personnel authorized by the plant manager.
- B. A waste hauler wanting to dispose of any load from a commercial or industrial establishment will do so only after permission has been granted by the plant manager or personnel authorized by the plant manager.

## Section 2 - Discharge Requirements

- A. Disposal Point
  - 1. The disposal of all trucked wastes must be performed at a location designated by the wastewater plant's plant manager or authorized representative.
  - 2. Disposal to the Bentonville wastewater collection system at any other location is prohibited without permission from the plant manager or other authorized representative. The permittee must provide notice to the wastewater personnel prior to disposal and the actual disposal must be performed under the supervision of plant personnel. In all cases, **disposal may only be performed Monday through Friday from 8:00 a.m. to 4:00 p.m., excluding holidays.**
- B. Waste Analysis
  - 1. Trucked wastes may be subject to sampling and analysis. The permittee may also be required to suspend the discharge of waste until the analysis is complete. The cost of this analysis will be covered by the waste generator. The Bentonville Wastewater Treatment Plant reserves the right to refuse permission to dispose of any trucked waste.
  - 2. The City is not obligated, by issuance of this permit, to analyze all trucked wastes.

### Section 3 - Prohibited Discharges

#### A. General Prohibitions

The permittee shall not introduce into the wastewater treatment plant any pollutant(s) which may cause pass through or interference with the treatment process.

#### B. Specific Prohibitions

The permittee shall not introduce the following pollutants into the wastewater plant:

1. Pollutants which create a fire or explosion hazard in the treatment plant, including, but not limited to, wastestreams with a closed cup flashpoint of less than 140 ° Fahrenheit or 60 ° Centigrade.
2. Pollutants which will cause corrosive structural damage to the wastewater treatment plant, but in no case discharges with a pH lower than 5.0 standard units.
3. Solid or viscous pollutants in amounts which will cause obstruction to the flow in the wastewater treatment plant.
4. Any concentration of free or emulsified oil and/or grease of animal or vegetable origin that, in a particular case, can: (a) overload skimming and grease handling equipment; or (b) have deleterious effects on the treatment process due to the excessive quantities.
5. Petroleum oil, non-biodegradable cutting oil, or products of mineral oil origin in amounts exceeding 100 mg/l.
6. Any material which may cause excessive discoloration, such as but not limited to, dye wastes and vegetable tanning solutions where the discoloration will not be removed by the wastewater treatment plant.

### Section 4 - Monitoring and Records

- #### A.
- All wastes must be accompanied by a completed waste manifest form. The form **must** contain the following information:

1. **Permittee's name (Company name on the trip tickets)**
2. **Customer name and address**
3. **Customer's phone number** or city utilities account number (must be an account number from Bentonville or Centeron)
4. **Date and time septic tank was pumped out**
5. **Waste description**
6. **Date and time load was disposed of**
7. **Quantity of load (gallons)**
8. **Signatures of customer, transporter, and disposer**

B. The permittee shall retain records of all monitoring information, waste manifest forms, copies of all reports required by this permit, and records of all data pertaining to hauled loads for a period of at least three years.

#### **Section 5 - Standard Conditions**

A. **Severability/Revocability**

The provisions of this permit are severable. If any provision of this permit, or the application of any provision of this permit to any circumstance, is violated this permit may be held invalid.

B. **Duty to Comply**

The permittee must comply with all conditions of this permit. Failure to comply with the requirements of this permit may be grounds for administrative actions, or enforcement proceedings including civil or criminal penalties, injunctive relief, permit revocation and summary abatements.

C. **Permit Modification**

This permit may be modified for good causes including, but not limited to, the following:

1. To incorporate any new or revised Federal, State or local pretreatment standards or requirements;

2. Material or substantial alterations or additions to the discharger's operation, or discharge volume or character which were not considered in drafting the effective permit;
3. A change in any condition in either the discharger or the POTW that requires either a temporary or permanent reduction or elimination of the authorized discharge;
4. Information indicating that the permitted discharge poses a threat to the Control Authority's collection and treatment systems, POTW personnel, or the receiving waters;
5. Violation of any terms or conditions of the permit;
6. Misrepresentation or failure to disclose fully all relevant facts in the permit application or in any required reporting;

D. Permit Termination

This permit may be terminated for the following reasons:

1. Falsifying manifest records;
2. Refusing to allow monitoring;
3. Failure to pay charges;
4. Attempting to dispose of any load in a manner other than those allowed by this permit.

E. Continuation of Expired Permits

An expired permit will continue to be effective and enforceable until the permit is reissued if:

1. The permittee has submitted a complete permit application at least ninety (90) days prior to the expiration date of the user's existing permit;
2. The failure to reissue the permit, prior to expiration of the previous permit, is not due to any act or failure to act on the part of the permittee.

**Section 6 - Special Conditions**

- A. The permittee must carry liability insurance, and provide satisfactory evidence of it to the Control Authority, in such amounts and form as determined by the Control Authority. Such insurance shall afford compensation for taking corrective action and for bodily injury, and for property damage to third persons caused by accidental releases. Coverage shall be in the amount of one hundred thousand dollars (\$100,00.00) per occurrence for bodily injury, and fifty thousand dollars (\$50,000.00) per occurrence for property damage, and a policy of automobile liability insurance, covering the operation of each vehicle used in such business, in minimum amounts of one hundred thousand dollars (\$100,000.00) per person for bodily injury, three hundred thousand dollars (\$300,000.00) per occurrence for bodily injury, and fifty thousand dollars (\$50,000.00) per occurrence for property damage. The City shall be named as an additional insured in all insurance policies required by this article.
- B. The permit holder shall display on both sides of each vehicle (in color contrasting with the background using three inch letters or letters larger than the business name) the following:

**Business Name**  
**BVL WH 05 - 07**

The permit holder shall keep the permit receipt, or a copy, in the vehicle at all times. A permit receipt will be supplied at the completion of permit requirements.

**City of Bentonville, Arkansas**  
**Liquid Waste Disposal Trip Ticket**      2551

Company Name \_\_\_\_\_ Date and Time \_\_\_\_\_

Customer Name \_\_\_\_\_ Quantity (gal) \_\_\_\_\_

Address \_\_\_\_\_ Waste Description \_\_\_\_\_

Phone # \_\_\_\_\_ Signature of Transporter \_\_\_\_\_

Customer Signature \_\_\_\_\_

Total Gallons	Disposal Fee
0 - 500	\$ 38.00
501 - 1000	\$ 76.00
1001 - 1500	\$ 114.00
1501 - 2000	\$ 152.00
2001 - 2500	\$ 190.00
2501 - 3000	\$ 228.00

Disposed of by \_\_\_\_\_ Date and Time \_\_\_\_\_

A-12

**City of Bentonville**  
**Industrial Pretreatment Division**  
*Attachment A-2*  
**Compliance Inspection Report**

COPY  
12/1/09

Name of Permittee: **Kraft Foods Global, Inc**

Date and time of Inspection: **10/31/09 1:00 pm**

Name and Title of Inspector **Nancy Busen,**  
**Laboratory/Pretreatment Supervisor, City of Bentonville WWTF**  
**Román Rios, Laboratory Technician, City of Bentonville WWTF**

Facility Representative(s) Present : **Tony Buchanan**                      **Stephanie Robertson**  
**Quality Systems Manager**                      **Safety Sanitation Coordinator**  
**479-273-5561 Ext. 118**                      **479-273-5561**  
**tbuchanan@kraft.com**                      **srobertson@kraft.com**

Announced Inspection     Unannounced Inspection

**Part 1. General Information**

Categorical IU                       Non-categorical SIU

Industry Type: **Natural Processed and Imitation Cheese Manufacturer with Cultured Cheese Concentrate production.**

Applicable SIC Code(s) **2022**

Manufacturing processes used: **Concentrating milk & cream with cultures and necessary additives to produce various cheese products and Concentrated Cheese Cultures that act as a flavor additive to cheese.**

Raw materials used: **Milk, cream, salt, enzymes, cheese cultures & rennet (a product that causes curds to form)**

**Loading Docks**

Rains or Sumps ?  Yes  No



**Receiving Docks**

Milk Receiving ?  Yes  No (Drains)

If yes, where routed to:  Storm  Sanitary  Pretreatment  Other

Regulated Wastestream: **Wastewater from all manufacturing processes, equipment cleaning & tank truck clean up.**

Outfall Description: **3" Parshall flume at outfall of the pH neutralization basin.**

**To get to the facility: Turn into the facility from S.E. 'E' Street at the east end of the building. Call at the intercom post to get the gate opened.**

**Enter through mechanical gate, turn left at end of milk truck receiving building.**

**The pH pretreatment building and fenced collection basins are directly ahead.**

**Locked gate gives entrance to city sampling area.**

**Kraft self monitoring sampler is inside the door next to the fenced area.**

Is treatment batch or continuous ? **continuous**

Is discharge batch or continuous ? **continuous**

Average discharge flow (MGD) **0.29790 (2008) YTD 2009 0.26901**

Applicable categorical standards **N/A**  
(e.g., 413, 433, 425, etc.)

Pollutants covered by local limits:

**BOD<sub>5</sub> mass limits, (surcharges of \$.28per mg/l > 300mg/l)  
TSS mass limits, (surcharges of \$.28per mg/l > 300mg/l)  
Total phosphorous mass limits, (surcharges at > 8.0mg/l)  
Oil & Grease, 100 mg/l Maximum  
(4 samples per 24 hour sampling period, results averaged)  
continuous pH monitoring (limits & duration per CFR)**

Type of wastewater treatment utilized:

**Kraft continuously monitors pH adjustment. Successful Phosphorous reduction by alum addition since permit requirement was achieved in 2009.**

Is the IU currently in compliance with:

Yes                      No  
                                            Permit Limits ?                      See comment below.  
                                            Reporting Requirements ?

If no, what is the nature of non-compliance ?

*A-Z b*  
*2*

1. Oil and grease is has become an issue in the later part of the 2009 pretreatment year. It is being closely monitored and training on proper sampling for this parameter has taken place.

Is the IU currently operating under any consent decree, Administrative Order, compliance or enforcement action ?

Yes No

If yes, describe the required enforcement action:

Findings of most recent Pretreatment Compliance Inspection

Date **10/31/08** Deficiencies Noted **None**

What progress has the IU made in correcting the identified deficiencies ?

## Part 2. Treatment Facility Evaluation, Pollution Prevention Activities, Spill and Slug Control

Is the permittee currently experiencing difficulties in treatment or plant operation ?

Yes No

Milk Spills in March, June and September

Overall evaluation of the permitted IU's treatment facility / operation of facility:

Housekeeping:  Excellent  Good  Fair  Poor

Yes No

Are there O & M policies and procedures ?

Is mode of operation consistent with procedures in the O & M manual ?

Is employee training conducted ?

If yes, are *regular* training sessions conducted ?

Comments: **The quality of this facilities discharge can very well depend on the correct actions of one or two individuals. Management has taken a proactive, constant training approach with positive and negative performance rewards. New more efficient drain plugs were installed in critical areas during the 2009 maintenance shut down.**

## Pollution Prevention Activities

Does the permitted IU utilize any of the following Pollution Prevention (P<sub>2</sub>) measures ?

Yes

No

- |                                     |                                     |  |
|-------------------------------------|-------------------------------------|--|
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Technology Change<br><b>Capturing high Phosphorous waste discharge for disposal.</b>   |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Input Material Substitutions   |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Product Changes  |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Recycling If yes, type of items recycled:<br><b>1. 20,000,000 lbs of whey from process is recycled into animal feed.</b><br><b>2. Used oil (Safety Clean)</b><br><b>3. Batteries (Safety Clean)</b><br><b>4. Florescent lights (Safety Clean)</b><br><b>5. Aluminum cans</b><br><b>6. Cheese shipping barrels are recycled &amp; reused</b><br><b>7. Wash water recycled for O&amp;G reduction</b> |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Employee Training  |

Comments:

**Extensive employee training is conducted at Kraft. Each shift begins with an informational meeting that includes current conditions and latest sampling results for BOD, TSS, T. Phosphorous.**

### Manufacturing Processes:

Describe the impact a slug load from this facility would have on the POTW:

**Spill and Slug Control: Kraft is the largest industrial contributor to our POTW. A slug load would be high in BOD, TSS, and T. Phosphorous. All of these are closely regulated by our NPDES permit. The POTW is currently operating at the maximum allowable headworks loading on all of these parameters, so a slug load could cause a NPDES permit violation at the POTW. High volumes of fats would also inhibit the efficiency of the treatment process. Kraft has contributed % of the phosphorous loading on the WWTF in the 2008-2009 pretreatment year.**

### Spill and Slug Control

Yes

No

- |                                     |                          |  |
|-------------------------------------|--------------------------|--|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Does Permitted IU have a written Spill / Slug Control Plan ? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Are employees routinely trained in Spill / Slug Control ?    |

Yes No

- Is there written documentation of Spill / Slug Control training ?
- Do process solution tanks overflow ?  
**1. A valve was added to eliminate spills going down the drain.**  
**2. Photoelectric cell has been installed in the influent pit to detect turbidity.**
- If so, is liquid contained ? How ? **Plugged floor drains.**  
**7 plugs were upgraded during maintenance shut down this year.**
- Has the facility had any past slug discharges ?
- Is there an alarm system for equipment failure ? **In Neutralization pit**
- Is the POTW phone number prominently displayed for personnel in case of spill or slug loads on evening or night shifts?
- Are there floor drains or trenches? **Routed to: Pretreatment**
- Does the Control Authority require additional Slug / Spill control Measures?

Spill potential :  High  Medium  Low

Comments:

**The present Spill – Slug control plan is sufficient.**

**Human errors are the major concern.**

**Extensive training and detailed communication reduce the likelihood of spills.**

**Kraft has been very cooperative in reporting any spills.**

### Pretreatment System

- Yes No
- Is discharge pH adjustment necessary ?
- Spare pretreatment equipment parts on site ?
- Is there an alarm system for equipment failure ? (Maintenance tests alarm)
- Is there a posted Emergency Response Plan for failure ?

### Chemical Storage

What chemicals are used at the facility ?

**No Changes**

**Sodium Hydroxide, Sulfuric acid, Sodium Hypochlorite,**

**Nitric Acid, Citric acid, Phosphoric – Nitric Acid Blend, Food Grade Lactic Acid**

Description of chemical storage areas:

**Bulk Chemicals have adequate containment.**

**Drums in areas with floor drains are on containment pallets.**

**Any chemicals not on containment pallets are in areas with sealed floor drains.**

Yes No N/A

- |                                     |                                     |                                     |   |
|-------------------------------------|-------------------------------------|-------------------------------------|---|
| <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Can chemicals reach floor drains if spilled ?   |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Has the facility had any past chemical slug discharges ?  |
| <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | If yes, was the discharge reported promptly to the Control Authority ?  |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Are there floor drains or trenches ?  |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Do chemical solution tanks overflow ?   |
| <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <b>Day tank of 80 gallons has an alarm system.</b><br>If so, is liquid contained ? How ? <b>Large Exterior tanks are dyke contained</b> |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | Does the permittee have adequate spill / slug prevention measures in place in the chemical storage area?                                |

### Part 3. Sludge Generation / Waste Disposal

- |                                     |                                     |   |
|-------------------------------------|-------------------------------------|---|
| Yes                                 | No                                  |   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Is sludge / waste created in the IU's Process ?<br><b>Whey is a bi-product and is a liquid waste, rather than sludge<br/>It is non hazardous. 17,000,000 to 20,000,000 GPY consisting of<br/>38 - 40% milk sugar are shipped for animal feed.</b> |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Is hazardous sludge generated ?   |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Is hazardous waste discharged to the POTW ?   |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Is hazardous waste of <i>any kind</i> generated?  |

Sludge dewatering method used **N/A**

Average Solids Content (%) **N/A**

Amount generated **N/A**

Hazardous Waste storage capacity **N/A**

Shipment frequency **N/A**

Yes No N/A

Are manifest records available ?

Comments: **Manifest records are available for non-hazardous whey bi-product.**

#### Part 4. Analysis of Self Monitoring Program

##### Flow Measurement

Yes No N/A

Is the primary measuring device in good condition ?  
**(Consideration is being given to purchasing a back up flow meter)**

Secondary instruments properly operated and maintained ?

Is flow being measured accurately ?

Is there documentation of flow meter calibration ?

Are flow measurement records kept on file ?

##### Sample Collection

Yes No N/A

Does the sampling location yield well-mixed, representative samples ?

Are samples the correct type ?

Are sample bottles the correct type ?

Are composite samples proportional to flow ?

Are samples cooled to 4° C. during collection of 24 hr. composites ?

Are samples preserved properly ?

Are complete chain of custody forms filled out for each sampling event ?

Is sampling equipment clean & in good working condition ?

##### Sample Analysis

Yes No N/A

Does the permittee perform any of the analysis in-house ? **pH only**

If yes to the previous question, does the permittee document instrument calibration and utilize QA / QC measures ?

Yes	No	N/A	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are samples analyzed within required holding times per 40 CFR 136.3 ?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Are pH buffers expired?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are approved analytical procedures (40 CFR 136.3) used ?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Does sample analysis include analysis of duplicates, spikes, and standards ?
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Does permittee reject results of analysis or request analysis to be rerun due to poor precision and/or accuracy results ?

### Reporting Procedures

Yes	No	N/A	
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	If the permittee is a Categorical IU, does it submit Baseline Monitoring Reports, reports on compliance with categorical pretreatment standard deadline, and periodic reports on continued compliance within the time frames specified in 40 CFR 403.12 ?
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	If the permittee is discharging hazardous wastes as defined in 40 CFR 261, do they notify the POTW, the EPA Regional Waste Management Division and State Director, hazardous waste authorities in writing of such discharge ?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Does the permittee submit reports by deadlines specified in its permit or by deadlines specified by an enforcement action ?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If monitoring and analysis are performed more frequently than required by permit, are the results of additional analysis reported in permittees' self-monitoring report ?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Does the permittee notify the Control Authority within 24 hours of becoming aware of a discharge violation ?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Does the permittee submit results of additional analysis to the Control Authority within 30 days of becoming aware of a discharge violation ?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Does the permittee notify the Control Authority <b>in advance</b> of any substantial change in the volume or nature of pollutants in their discharge ?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Does the permittee immediately notify the Control Authority in the event of an accidental discharge or the discharge of a slug load ?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Does the permittee, within 5 days after an accidental discharge or slug load, submit to the Control Authority a detailed written report describing the nature and cause of the discharge and the measures to be taken to prevent similar future occurrences ?

Yes No N/A

If the permittee knows in advance of the need for a bypass of treatment equipment, does it submit prior notice to the Control Authority at least 10 days before the date of the anticipated bypass ?

Does the permittee notify the Control Authority within 24 hours following an unanticipated bypass ?

## Part 5. Results of Sampling and Analysis by Control Authority & Self Monitoring

*See attached sheets*

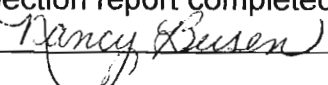
## Part 6. Inspection Findings and Required Corrective Actions

### Inspection findings :

**A great deal of time, energy and training is apparent at Kraft Foods in Bentonville. Increases in BOD<sub>5</sub> or TSS are thoroughly investigated, as their reduction is beneficial to Kraft's bottom line as well as the environmental impact on the POTW. Management strives to maintain maximum production and reduce waste.**

**Required Corrective Actions: None**

Inspection report completed October 31, 2009

  
\_\_\_\_\_

Nancy Busen  
Pretreatment/Laboratory Supervisor  
City of Bentonville WWTF  
1901 N. E. "A" Street  
Bentonville, AR 72712  
Phone: 479-271-3160  
Fax: 479-271-3163  
Email: nbusen@bentonvillear.com



City of Bentonville  
Industrial Pretreatment Division

COPY

Compliance Inspection Report

Name of Permittee: Kraft Foods Global, Inc

Date and time of Inspection: ~~10/24/07 1:00 pm~~ 10/31/09 1:00pm

Name and Title of Inspector Nancy Busen,  
Laboratory/Pretreatment Supervisor, City of Bentonville WWTF  
Román Rios, Laboratory Technician, City of Bentonville WWTF

Facility Representative(s) Present :

A. J. Rorie  
Business Unit Leader  
479-273-5561 ext. # 132  
Cell Phone: 479-616-0343  
[arorie@kraft.com](mailto:arorie@kraft.com)

*Tony Buchanan Quality Manager*

Jane Reagan  
Safety Security Environmental Coordinator  
479-273-5561 Ext. # 113  
[jane.Reagan@kraft.com](mailto:jane.Reagan@kraft.com)

*Stephanie Robertson  
Safety Servelation Co.*

Announced Inspection  Unannounced Inspection

Part 1. General Information

Categorical IU  Non-categorical SIU

Industry Type: **Natural Processed and Imitation Cheese Manufacturer with  
Cultured Cheese Concentrate production.**

Applicable SIC Code(s) 2022

Manufacturing processes used: **Concentrating milk & cream with cultures and necessary  
additives to produce various cheese products and  
Concentrated Cheese Cultures that act as a flavor  
additive to cheese.** ✓

Raw materials used: **Milk, cream, salt, enzymes, cheese cultures  
& rennet (a product that causes curds to form)**

*1 A-2j*

**Loading Docks**

Drains or Sumps ?  Yes  No

**Receiving Docks**

Milk Receiving ?  Yes  No *Drain*

If yes, where routed to:  Storm  Sanitary  Pretreatment  Other

Regulated Wastestream: **Wastewater from all manufacturing processes, equipment cleaning & tank truck clean up.** ✓

Outfall Description: **3" Parshall flume at outfall of the pH neutralization basin.** ✓

**To get to the facility: Turn into the facility from S.E. 'E' Street at the east end of the building. Call at the intercom post to get the gate opened. Enter through mechanical gate, turn left at end of milk truck receiving building. The pH pretreatment building and fenced collection basins are directly ahead. Locked gate gives entrance to city sampling area. Kraft self monitoring sampler is inside the door next to the fenced area.**

Is treatment batch or continuous ? **continuous** ✓

Is discharge batch or continuous ? **continuous** ✓

Average discharge flow (MGD) **0.28893 MGD (2007)**      year-to-date **0.29790 (2008)**

Applicable categorical standards **N/A**  
(e.g., 413, 433, 425, etc.)

Pollutants covered by local limits:

*.112*

- BOD<sub>5</sub> mass limits, (surcharges of \$.28per mg/l > 300mg/l)**
- TSS mass limits, (surcharges of \$.28per mg/l > 300mg/l)**
- Total phosphorous mass limits, (surcharges at > 7.5mg/l)**
- Oil & Grease, 100 mg/l Maximum**
- (4 samples per 24 hour sampling period, results averaged)**
- continuous pH monitoring (limits & duration per CFR)**

Type of wastewater treatment utilized:

**Kraft continuously monitors pH adjustment. Successful Phosphorous reduction by alum addition since permit requirement was added October 1, 2007 has been inconsistent. An Administrative Order was issued Oct. 21, 2008.**

Is the IU currently in compliance with:

Yes

No

Permit Limits ?

*O&G, Sampling error -*

Reporting Requirements ?

If no, what is the nature of non-compliance ?

1. **Eleven (11) mass violations of Total phosphorous limits of 96 lbs/day**
2. **Seven (7) violations of Oil & Grease discharge limits of 100 mg/l**

Is the IU currently operating under any consent decree, Administrative Order, compliance or enforcement action ?

Yes

No

If yes, describe the required enforcement action:

**Issued: October 21, 2008**

**By February 1, 2009, Kraft Foods Global, Inc., Bentonville Plant shall:**

1. **Install a device to monitor total phosphorous discharged into the sewer system of the City of Bentonville.**

**This device shall:**

*N/A*

1. **Be located at or near the discharge point to the sewer system.**
2. **Dispense adequate chemical to maintain constant compliance to permit requirements.**
3. **Be equipped with an alarm for system failure.**
4. **Calibrate monitoring device weekly and include documentation of calibration with monthly Self Monitoring Reports.**

**NOTE: Kraft has developed a recycling program and resolved the Oil & Grease issue.**

Findings of most recent Pretreatment Compliance Inspection

Date **10/24/06**

Deficiencies Noted **None**

What progress has the IU made in correcting the identified deficiencies ?

## Part 2. Treatment Facility Evaluation, Pollution Prevention Activities, Spill and Slug Control

Is the permittee currently experiencing difficulties in treatment or plant operation ?

Yes No



Note about O&G.

Overall evaluation of the permitted IU's treatment facility / operation of facility:

Housekeeping:  Excellent  Good  Fair  Poor

Yes

No



Are there O & M policies and procedures ?



Is mode of operation consistent with procedures in the O & M manual ?



Is employee training conducted ?



If yes, are *regular* training sessions conducted ?

Comments: **The quality of this facilities discharge can very well depend on the correct actions of one or two individuals. Management has taken a proactive, constant training approach with positive and negative performance rewards. Two spills in the past pretreatment year resulted in additional training and disciplinary action.**

### Pollution Prevention Activities

Does the permitted IU utilize any of the following Pollution Prevention (P2) measures ?

Yes No



Technology Change  
**Recycling water from cleaning to meet O&G limits**



Input Material Substitutions



Product Changes  
**May add a new product in late 2008, however no new ingredients will be used**



Recycling If yes, type of items recycled:  
**1. 20,000,000 lbs of whey from process is recycled into animal feed.**  
**2. Used oil (Safety Clean) -**  
**3. Batteries (Safety Clean) -**  
**4. Florescent lights (Safety Clean)**

- 5. Aluminum cans
- 6. Chemical shipping barrels are recycled & reused.
- 7. Wash water recycled for O&G reduction

Employee Training

Comments:

Extensive employee training is conducted at Kraft. Each shift begins with an informational meeting that includes current conditions and latest sampling results for BOD, TSS, T. Phosphorous.

Manufacturing Processes:

Describe the impact a slug load from this facility would have on the POTW:

*Spill*  
**Spill and Slug Control: Kraft is the largest industrial contributor to our POTW. A slug load would be high in BOD, TSS, and T. Phosphorous. All of these are closely regulated by our NPDES permit. The POTW is currently operating at the maximum allowable headworks loading on all of these parameters, so a slug load could cause a NPDES permit violation at the POTW. High volumes of fats would also inhibit the efficiency of the treatment process. Kraft contributes 25% of the phosphorous loading on the WWTF. Heavy phosphorous loading causes additional expense for treatment to meet our NPDES effluent limit of 1 mg/l.**

Spill and Slug Control

- | Yes                                 | No                       |  |
|-------------------------------------|--------------------------|--|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Does Permitted IU have a written Spill / Slug Control Plan ?   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Are employees routinely trained in Spill / Slug Control ?  |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Is there written documentation of Spill / Slug Control training ?  |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Do process solution tanks overflow ?<br><b>1. A valve was added to eliminate spills going down the drain.<br/>           2. Photoelectric cell has been installed in the influent pit to detect turbidity.</b> |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | If so, is liquid contained ? How ? <b>Plugged floor drains.</b> <i>Changed 7 Floor drains</i>  |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Has the facility had any past slug discharges ?  |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Is there an alarm system for equipment failure ? <b>In Neutralization pit</b> → <i>maint tests</i>   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Is the POTW phone number prominently displayed for personnel in case of spill or slug loads on evening or night shifts?  |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Are there floor drains or trenches? <b>Routed to: Pretreatment</b> ✓   |

Yes      No  
            Does the Control Authority require additional Slug / Spill control Measures?

Spill potential :  High       Medium       Low

Comments:

**The present Spill – Slug control plan is sufficient.  
Human errors are the major concern.  
Extensive training and detailed communication reduce the likelihood of spills.**

### Pretreatment System

Yes	No	
<input checked="" type="checkbox"/> ✓	<input type="checkbox"/>	Is discharge pH adjustment necessary ?
<input checked="" type="checkbox"/> ✓	<input type="checkbox"/>	Spare pretreatment equipment parts on site ?
<input checked="" type="checkbox"/> ✓	<input type="checkbox"/>	Is there an alarm system for equipment failure ?
<input checked="" type="checkbox"/> ✓	<input type="checkbox"/>	Is there a posted Emergency Response Plan for failure ?

### Chemical Storage

What chemicals are used at the facility ?

**Sodium Hydroxide, Sulfuric acid, Sodium Hypochlorite,  
Nitric Acid, Citric acid, Phosphoric – Nitric Acid Blend, Food Grade Lactic Acid**      *Same*

Description of chemical storage areas:

**Bulk Chemicals have adequate containment.  
Drums in areas with floor drains are on containment pallets.  
Any chemicals not on containment pallets are in areas with sealed floor drains.**      *Same*

Yes	No	N/A	
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Can chemicals reach floor drains if spilled ? ✓
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Has the facility had any past chemical slug discharges ? ✓
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	If yes, was the discharge reported promptly to the Control Authority ? ✓
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Are there floor drains or trenches ? ✓
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Do chemical solution tanks overflow ? ✓ <b>Day tank of 80 gallons has an alarm system.</b>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	If so, is liquid contained ? How ? <b>Large Exterior tanks are dyke contained</b>

Does the permittee have adequate spill / slug prevention measures in place in the chemical storage area? ✓

### Part 3. Sludge Generation / Waste Disposal

Yes No

Is sludge / waste created in the IU's Process ?  
**Why is a bi-product and is a liquid waste, rather than sludge**  
**It is non hazardous. ~~17,000 to 20,000~~ GPY consisting of**  
**38 - 40% milk sugar are shipped for animal feed. 20mil lbs**

Is hazardous sludge generated? ✓

Is hazardous waste discharged to the POTW? ✓

Is hazardous waste of any kind generated? ✓

Sludge dewatering method used **N/A**

Average Solids Content (%) **N/A**

Amount generated **N/A**

Hazardous Waste storage capacity **N/A**

Shipment frequency **N/A**

Yes No N/A

Are manifest records available? ✓

Comments: **Manifest records are available for non-hazardous whey bi-product.**

### Part 4. Analysis of Self Monitoring Program

#### Flow Measurement

Yes No N/A

Is the primary measuring device in good condition? ✓

Secondary instruments properly operated and maintained?

Is flow being measured accurately? ✓

Is there documentation of flow meter calibration? ✓

Are flow measurement records kept on file? ✓

*AZP sent w/ self monitoring rpt.*

### Sample Collection

Yes No N/A

- 
- 
- 
- 
- 
- 
- 
- 

*Same*

Does the sampling location yield well-mixed, representative samples ?

Are samples the correct type ?

*O&G. Corrected*

Are sample bottles the correct type ?

Are composite samples proportional to flow ?

Are samples cooled to 4° C. during collection of 24 hr. composites ?

Are samples preserved properly ?

Are complete chain of custody forms filled out for each sampling event ?

Is sampling equipment clean & in good working condition ?

### Sample Analysis

Yes No N/A

- 
- 
- 
- 
- 
- 
- 

Does the permittee perform any of the analysis in-house ? **pH only**

If yes to the previous question, does the permittee document instrument calibration and utilize QA / QC measures ?

Are samples analyzed within required holding times per 40 CFR 136.3 ?

Are pH buffers expired ?

Are approved analytical procedures (40 CFR 136.3) used ?

Does sample analysis include analysis of duplicates, spikes, and standards ?

Does permittee reject results of analysis or request analysis to be rerun due to poor precision and/or accuracy results ?

### Reporting Procedures

Yes No N/A

- 
- 

If the permittee is a Categorical IU, does it submit Baseline Monitoring Reports, reports on compliance with categorical pretreatment standard deadline, and periodic reports on continued compliance within the time frames specified in 40 CFR 403.12 ?

If the permittee is discharging hazardous wastes as defined in 40 CFR 261,



do they notify the POTW, the EPA Regional Waste Management Division and State Director, hazardous waste authorities in writing of such discharge ?

- Does the permittee submit reports by deadlines specified in its permit or by deadlines specified by an enforcement action ? ✓
- If monitoring and analysis are performed more frequently than required by permit, are the results of additional analysis reported in permittees' self-monitoring report ? ✓
- Does the permittee notify the Control Authority within 24 hours of becoming aware of a discharge violation ? ✓
- Does the permittee submit results of additional analysis to the Control Authority within 30 days of becoming aware of a discharge violation ? ✓
- Does the permittee notify the Control Authority **in advance** of any substantial change in the volume or nature of pollutants in their discharge ? ✓
- Does the permittee immediately notify the Control Authority in the event of an accidental discharge or the discharge of a slug load ? ✓
- Does the permittee, within 5 days after an accidental discharge or slug load, submit to the Control Authority a detailed written report describing the nature and cause of the discharge and the measures to be taken to prevent similar future occurrences ? ✓
- If the permittee knows in advance of the need for a bypass of treatment equipment, does it submit prior notice to the Control Authority at least 10 days before the date of the anticipated bypass ? ✓
- Does the permittee notify the Control Authority within 24 hours following an unanticipated bypass ? ✓

## Part 5. Results of Sampling and Analysis by Control Authority & Self Monitoring

*See attached sheets*

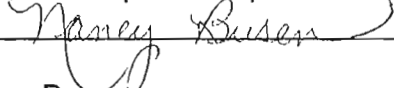
## Part 6. Inspection Findings and Required Corrective Actions

Inspection findings :

**A great deal of time, energy and training is apparent at Kraft Foods in Bentonville. Increases in BOD<sub>5</sub> or TSS are thoroughly investigated, as their reduction is beneficial to Kraft's bottom line as well as the environmental impact on the POTW. Management strives to maintain maximum production and reduce waste.**

**Required Corrective Actions: None**

Inspection report completed October 27, 2008

  
\_\_\_\_\_

Nancy Busen  
Pretreatment/Laboratory Supervisor  
City of Bentonville WWTF  
1901 N. E. "A" Street  
Bentonville, AR 72712  
Phone: 479-271-3160  
Fax: 479-271-3163  
Email: nbusen@bentonvillear.com

**Compliance Monitoring Information**

Compliance Activity Type: Inspection/Evaluation \* Compliance Monitoring Type: AFO Defined  
 \* State: AR AFO Designation  
 Compliance Monitoring Activity Name: Pretreatment Program Audit Aerial Photography  
 Audit  
 Audit (U)

Program System Acronym	Identifier	Facility Site Name	Address	FRS ID
NPDES	<u>AR0022403</u>	<u>Bentonville</u>	<u>1901 NE "A" Street</u>	

Planned Start Date: 12/1/09 Actual Start Date: 12/1/09  
 Planned End Date: 12/3/09 Actual End Date: 12/3/09

**Statutes and Sections Information**

Federal Statutes: CWA - Clean Water Act  
 \* Programs: NPDES - Post Administrative Penalty Case (Settlement)  
 NPDES - Pretreatment  
 NPDES - Sanitary Sewer Overflow (SSO)  
 NPDES - Section 308 Information Requests  
 NPDES - Sludge/Biosolids  
 State Statute:

\* Compliance Monitoring Action Reason: Agency Priority  
 Citizen Complaint/Tip  
 Core Program  
 For Cause  
 Random Inspection  
 \* Compliance Monitoring Agency Type: State Contractor  
 State - Using Federal Credential  
 State  
 Regional  
 Other Federal  
 Compliance Monitoring Agency Name:  
 If State, Local or Tribal lead, did EPA Assist?: No  
 Was this a State, Federal or Joint (State/Federal) Compliance Monitoring Activity? State  
 If Joint, what was the purpose of the participation of the other party?  
 Which party had the lead?

**Government Contacts**

Affiliation Type	First Name	Last Name	Phone	Office	Organization
SIC Codes:	Codes		Priorities		
MAICS Codes:			OECA National Priority: 2009 - (CA Only) - Air Toxics - Flares 2009 - (CA Only) - Air Toxics - LDAR 2009 - (CA Only) - Air Toxics - Surface Coating 2009 - (CA Only) - Financial Assurance 2009 - (CA Only) - MP - Mining		
			Regional Priority: 2009 - Region 06 - Air Toxics Major Sources (O & G) 2009 - Region 06 - Brine Spills from Oil & Gas Operations 2009 - Region 06 - CD Implementation 2009 - Region 06 - Minor Wastewater Collection & Treatment System 2009 - Region 06 - Petroleum Refining		

**Media Monitored**

Media Monitored:  
 Compliance Monitoring Media Indicator  
 Multimedia Indicator:

**Compliance Monitoring Information**

Number of Days Physically Conducting Activity: 3  
 Number of Hours Physically Conducting Activity: 22  
 Compliance Monitoring Action Outcome:  
 Compliance Monitoring Rating Code:

**Compliance Monitoring Comments**

Compliance Monitoring Comments:

**User Defined Fields**

1:

### Special Programs Pretreatment

<h4 style="text-align: center;">Significant Industrial Users (SIUs)</h4> <p>SIUs: <input type="text" value="3"/></p> <p>SIUs Without Control Mechanism: <input type="text" value="0"/></p> <p>SIUs Not Inspected: <input type="text" value="0"/></p> <p>SIUs Not Sampled: <input type="text" value="0"/></p> <p>SIUs in SNC with Pretreatment Standards: <input type="text" value="0"/></p> <p>SIUs in SNC with Reporting Requirements: <input type="text" value="0"/></p> <p>SIUs in SNC with Pretreatment Schedule: <input type="text" value="0"/></p> <p>SIUs in SNC Published in Newspaper: <input type="text" value="0"/></p> <p>SIUs on Schedules: <input type="text" value="0"/></p> <p>Violation Notices Issued to SIUs: <input type="text" value="6"/></p> <p>Administrative Orders Issued to SIUs: <input type="text" value="0"/></p> <p>Civil Suits Filed Against SIUs: <input type="text" value="0"/></p> <p>Criminal Suits Filed Against SIUs: <input type="text" value="0"/></p>	<h4 style="text-align: center;">Local Limits</h4> <p>Date of Most Recent Technical Evaluation for Local Limits: <input type="text" value="12/6/04"/></p> <p>Date of Most Recent Adoption of Technically Based Local Limits: <input type="text" value="12/6/04"/></p> <p>Local Limit Pollutants:</p> <div style="border: 1px solid black; height: 40px; width: 100%;"></div> <p style="text-align: center; font-size: small;">POLLUTANTS</p>
<h4 style="text-align: center;">Categorical Industrial Users (CIUs)</h4> <p>CIUs: <input type="text" value="1"/></p> <p>CIUs in SNC: <input type="text" value="0"/></p>	<h4 style="text-align: center;">Removal Credits</h4> <p>Removal Credits Application Status: <input type="text" value="Not Applicable"/></p> <p>Date of Most Recent Removal Credits Approval: <input type="text"/></p> <p>Removal Credits:</p> <div style="border: 1px solid black; height: 40px; width: 100%;"></div> <p style="text-align: center; font-size: small;">POLLUTANTS</p>
<h4 style="text-align: center;">Penalties</h4> <p>Dollar Amount of Penalties Collected: \$ <input type="text" value="0"/></p> <p>Industrial Users (IUs) from which Penalties have been collected: <input type="text" value="N/A"/></p>	<h4 style="text-align: center;">Acceptance of Waste</h4> <p>Acceptance of Hazardous Waste: <input type="text" value="No"/></p> <p>Acceptance of Non-Hazardous Industrial Waste: <input type="text" value="No"/></p> <p>Acceptance of Hauled Domestic Wastes: <input type="text" value="No"/></p>
<h4 style="text-align: center;">Other Information</h4> <p>SUO Reference: <input type="text"/></p> <p>SUO Date: <input type="text"/></p> <p>Annual Pretreatment Budget: \$ <input type="text"/></p> <p>Pass-Through/Interference Indicator: <input type="text" value="NO"/></p> <p>Violation of IU Schedule for Remedial Measures: <input type="text" value="No"/></p> <p>Formal Response to Violation of IU Schedule for Remedial Measures: <input type="text"/></p>	<h4 style="text-align: center;">Deficiencies</h4> <p>Deficiencies Identified During IU File Review: <input type="text" value="No"/></p> <p>Control Mechanism Deficiencies: <input type="text" value="No"/></p> <p>Legal Authority Deficiencies: <input type="text" value="No"/></p> <p>Deficiencies in Data Management and Public Participation: <input type="text" value="No"/></p> <p>Deficiencies in Interpretation and Application of Pretreatment Standards: <input type="text" value="No"/></p> <p>Inadequacy of Sampling and Inspections: <input type="text" value="No"/></p> <p>Adequacy of Pretreatment Resources: <input type="text" value="Yes"/></p>
	<h4 style="text-align: center;">Annual Frequency</h4> <p>Annual Frequency of influent Toxicant Sampling: <input type="text"/></p> <p>Annual Frequency of Effluent Toxicant Sampling: <input type="text"/></p> <p>Annual Frequency of Sludge Toxicant Sampling: <input type="text"/></p>